PB-239 354

REVERSE OSMOSIS OF TREATED AND UNTREATED SECONDARY SEWAGE EFFLUENT. APPENDIX A-2, APPENDIX A-6

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Eastern Municipal Water District

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16. ABSTRACT

The two appendixes in this volume complete report "Reverse Osmosis of Treated and Untreated Secondary Sewage Effluent," EPA-670/2-74-077; the following abstract is that for the main volume. A pilot study was conducted to determine reverse osmosis feasibility on untreated and treated secondary effluents. Six commercially designed reverse osmosis pilot units, with 3,000 to 10,000 GPD nominal capacities and different module concepts, were tested. Post treatment of secondary effluent feeds, using alum clarification, sand filtration, granular activated carbon treatment, chlorine additions and pH adjustment, in different combinations improves reverse osmosis performance and significantly extends useful membrane life. Membrane fouling occurs despite post secondary effluent treatments. Enzymatic detergent solutions were moderately effective as membrane rejuvenation treatments. Inorganic fouling (particularly with phosphates) could be removed with solutions of the sodium salt of ethylenediaminetetraacetic acid. Of the module concepts tested, one of the tubular makes and the spiral wound had the best overall performance. Based on the pilot plant data, the total reverse osmosis costs, excluding brine disposal, is estimated to be $0.78/1,000 gallons for a 0.9 MGD product water facility and about $0.73/1,000 gallons for a 9 MGD product water facility.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Sewage, *Effluents, *Filtration, Sewage filtration, *Coagulation, *Flocculating, Microorganism control (sewage), *Activated carbon treatment, pH control, *Cost analysis, Membranes	*Secondary effluents, *Reverse osmosis	13B

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The National Environmental Research Center--Cincinnati has reviewed this report and approved its publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

FOREWORD

Man and his environment must be protected from the adverse effects of pesticides, radiation, noise and other forms of pollution, and the unwise management of solid waste. Efforts to protect the environment require a focus that recognizes the interplay between the components of our physical environment--air, water, and land. The National Environmental Research Centers provide this multidisciplinary focus through programs engaged in:

- studies on the effects of environmental contaminants on man and the biosphere, and
- a search for ways to prevent contamination and to recycle valuable resources.

Reverse osmosis is one of the primary processes by which the environmental component of water may be protected from contamination. The main portion of this report (EPA-670/2-74-077) is an attempt to define some of the fundamental abilities, requirements and limitations of reverse osmosis when applied to various qualities of secondary sewage effluent. These appendixes supply details to support the main text.

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NOTE

Appendix A-2 (pH's R.O. Units Feed) and Appendix A-6 (Complete Printout Summary) were not printed with the main body of report "Reverse Osmosis of Treated and Untreated Secondary Sewage Effluent," EPA-670/2-74-077, because of the paper shortage. They are available now in this form from the National Technical Information Service to complete the originally printed report.

APPENDIX SECTION A-2

pH's R.O. UNIT FEEDS

Project Wk. & Day	Aero.	Am. Std.	DuPt.	Gulf	RyPk.	Univ.
3-7	6.2			5.7		6.2
4-3	6.0			5.8		6.2
4-4	5.8			5.6		6.2
4-5	5.8			5.5		5.8
4-6	6.2			6.0		
4-7	5.3		5.3	5.2		5.6
5-3	5.8		5.5	5.6		5.5
5-4	6.0		5.5	5.9		5.9
5-5	5.9		5.9	5.5		5.8
5-6	5.8		5.4	5.7		5.7
5-7	5.9		5.7	5.7		5.6
6-3	5.8		5.3	5.6		5.6
6-4	5.7		5.4	5.4		5.7
6-5	6.0		5.5	5.1		5.5
6-6	5.6		5.2	5.4		5.6
6-7	5.9		5.4	5.8		5.8
7-3	5.9		5.9	6.1		5.8
7-4	5.9		5.6	6.0		5.5
7-5	5.5		5.6	5.5		5.1
7-6	5.4		5.6	5.3		5.3
7-7	5.8		5.5	5.6		5.5
8-3	5.4		5.5	5.5		5.4
8-4	5.5		5.9	5.9		6.0
8-5	5.5		5.5	5.2		5.2
8-6	5.5		5.8	5.6		5.0
8-7	5.5		5.8	5.6		5.4
9-3	5.6		5.4	5.9		
9-4	5.4			5.5		5.0
9-5	5.6			5.8		5.5
9-6	5.5		5.9	5.4		5.4
9-7			5.5	5.4		5.2
10-3	5.8		5.8	5.9		5.2
10-4	6.3		5.8	5.7		5.5
10-5	5.8		6.1	5.6		5.0
10-6	5.7		5.3	5.5		5.3
10-7	5.7		5.8	5.7		5.3
11-3	5.8		5.8	5.6		5.6
11-4	5.8		6.0	5.4		5.2
11-5	5.8		5.5	5.6		5.5
11-6	5.8		5.7	5.7		5.8
11-7	5.8		6.0			5.8
12-3			5.7			6.9
12-4			5.6			7.0
12-5	5.8		5.8	5.6		5.5
12-6			5.9	5.6		5.5
12-7	5.7		5.3	5.6		5.7

pH's R.O. UNIT FEEDS, cont.

Project Wk. & Day	Aero.	Am. Std.	DuPt.	Gulf	RyPk.	Univ.
13-3			5.7	5.8		5.6
13-4			5.7	5.8		5.6
13-5			5.7	5.8		5.3
13-6			5.8	5.8		
13-7			5.9	5.7		5.5
14-3			6.1	5.5		5.6
14-4			5.9	5.6		5.5
14-5		5.7		5.6		5.4
14-6		5.5		5.8		5.5
14-7		5.9				
15-3			6.5	5.6		5.4
15-4			6.4	5.6		5.8
15-5			6.1	5.1		5.4
15-6			5.2	5.4		5.6
15-7			5.5	5.6		5.5
16-3		5.6	5.2	5.7		5.7
16-4		5.2	5.5	5.5		5.6
16-5		6.1	5.6	5.5		
16-6		6.2	5.4	5.5		5.5
16-7		6.1	5.5	5.5		
17-3		5.3	5.9	5.6		
17-4		6.0	5.8	5.8		5.7
17-5		5.8	5.5	5.8		5.5
17-6		5.9	5.7	5.7		
17-7		5.6	6.2	5.9		5.5
18-3				5.2		
18-4		5.0		5.2		
18-5		5.6	5.1	5.3		
18-6		5.5	5.8	5.5		
18-7		5.0	6.1	5.7		5.6
19-3		5.3	6.2	5.3		5.7
19-4		4.9	6.0	5.4		5.2
19-5		4.9	5.5	5.9		5.7
19-6		5.1	5.3	5.3		5.4
19-7		5.1	5.5	5.2		5.2
20-3		5.1	5.2	6.1		5.9
20-4		6.1	6.0	5.3		5.1
20-5		5.7	5.5	5.4		5.5
20-6		5.6	5.9	5.5		5.5
20-7		5.4	5.5	5.4		5.4
21-3		5.3	5.4	5.8		5.5
21-4		5.4	5.7	5.7		5.2
21-5		5.3	5.6	5.3		5.2
21-6		5.1	5.2	5.3		7.1
21-7		5.4	5.3	5.6		
22-3		5.2	5.6	5.5		7.1

pH's R.O. UNIT FEEDS, cont.

Project Wk. & Day	Aero.	Am. Std.	DuPt.	Gulf	RyPk.	Univ.
22-4		5.4	5.8	5.6		7.1
22-5			5.7	5.4		6.9
22-6		3.2	5.5	5.3		5.7
22-7		3.2	5.7	5.4		5.7
23-3		3.2	5.4	5.2		5.9
23-4		3.7	5.5	5.5		5.8
23-5		3.2	5.6	5.6		5.1
23-6		3.6	3.0	5.3		5.9
23-7		3.7	3.4	5.4		5.6
24-3		3.4	6.2	5.5		5.8
24-4		3.4	3.7	5.3		5.8
24-5		3.4	5.4	5.3		5.5
24-6		3.3	5.8	5.5		5.9
24-7		3.2	4.8	5.4		5.6
25-3		3.6	5.3	5.6		5.8
25-4		3.7	5.5	5.0		5.7
25-5		3.1	6.0	5.0		6.3
25-6		3.2	4.3	5.3		5.5
25-7		3.4	4.8	5.9		5.6
26-3		3.3	5.6	5.0		5.9
26-4		3.2	5.3	5.4		5.9
26-5		3.1	5.3	5.2		5.9
26-6		3.1	3.8	5.2		5.6
26-7		3.3	6.0	4.7		6.0
27-3		5.5	5.6	5.8		6.1
27-4		4.2	5.7	5.2		5.5
27-5		4.3	5.7	5.0		5.0
27-6		3.9	5.8	5.8		5.8
27-7		5.0	5.7	5.7		5.9
28-4		4.1	4.1	5.4		5.8
28-5		4.2	5.1	5.7		5.7
28-6		5.0	5.8	5.4		5.6
28-7		4.1	5.2	5.3		5.3
29-3		4.5	5.7	5.3		5.4
29-4		4.8	5.7	5.7		5.8
29-5		4.5	5.5	5.4		5.6
29-6		4.1	5.6	5.4		5.5
29-7		5.8	5.7	5.1		5.4
30-3		4.9	5.4	5.5		6.1
30-4			5.9	5.1		5.1
30-5		5.2	5.6			6.1
30-6		4.6	5.3			5.8
30-7		4.9	5.8			5.9
31-3		4.8	5.7			5.7
31-4		5.4	5.9			5.5
31-5		5.8	6.2			5.4

pH's R.O. UNIT FEEDS, cont.

Project Wk. & Day	Aero	Am. Std.	DuPt.	Gulf	RyPk.	Univ.
31-6		5.4	5.9			5.7
31-7		4.8	5.6	5.6		5.3
32-3		5.2	5.7	5.5		5.4
32-4		4.9	5.2	5.3		5.3
32-5		4.9	5.5	5.6		5.9
32-6		3.7	5.6	5.5		5.7
32-7		4.2	5.8	5.6		5.5
33-3		5.6	5.9	5.4		5.9
33-4		4.9	5.5	5.2		5.7
33-5		4.6	5.4	5.2		5.9
33-6		4.2	5.4	5.3		6.0
33-7		4.4	5.3	5.5		5.6
34-3		5.0	5.5	5.0		5.6
34-4		4.6	5.7	5.4		5.6
34-5	6.1	3.8	5.1	5.2		5.4
34-6	6.0	4.2	5.6	5.4		5.6
34-7		4.9	3.6	5.1		5.3
35-3	5.5	4.3	5.3	4.9		5.4
35-4	5.6	4.4	4.8	5.3		5.5
35-5	5.5	3.7	5.5	5.1		6.3
35-6	5.8	4.9	5.6	5.3		6.2
35-7	5.8	4.2	4.7	4.9		5.5
36-3	5.8	5.5	5.6	5.1		5.8
36-4		5.3	4.9	5.7		5.6
36-5		5.3	5.4	5.5		5.7
36-6		3.4	5.7	5.1		5.4
36-7	5.8	3.6	6.0	5.2		5.6
37-3		5.3	5.3	5.6		5.7
37-4			5.4	5.5		6.0
37-6			6.0	5.6		5.4
37-7			6.0	5.3		5.4
38-3		5.0	6.2	5.4		5.6
38-4		4.3	6.2	5.3		5.9
38-5		4.2	6.1	5.2		5.4
38-6		4.8	6.2	5.8		5.6
38-7		4.7	6.1	5.4		5.8
39-3		5.1	5.9	5.7		5.8
39-4		5.1	6.4	5.5		5.8
39-5		5.5	6.0	5.7		5.5
39-7		5.1	6.3	5.4		5.6
40-3		5.6	6.1	5.2		5.6
40-4		5.4	6.1	5.5		5.7
40-5		5.2	5.9	5.4		5.8
40-6		5.1	5.5	5.4		5.3
40-7		4.9	5.6	5.4		5.4
41-3		5.3	5.8	5.9		5.2

pH's R.O. UNIT FEEDS, cont.

Project Wk. & Day	Aero.	Am. Std.	DuPt.	Gulf	Rypk.	Univ/
41-4		4.7	6.3	5.0		5.3
41-5		4.7	6.0	5.7		5.7
41-6		5.4	6.0	5.4		5.9
41-7		5.5	5.8	5.3		5.7
42-3		5.4	5.7	5.7		5.8
42-4		5.0	5.8	5.3		6.0
42-5		5.2	5.5	5.4		5.4
42-6		4.1	6.0	5.3		5.3
42-7		4.6	5.9	5.2		5.4
43-3		4.8	6.0	5.6		5.3
43-4		5.8	5.8	5.4		5.5
43-4		5.8	5.8	5.4		5.5
43-5		5.0	5.3	5.3		5.3
43-6		4.5	5.0	5.5		5.8
44-3		5.5	5.9	5.2		5.7
44-4		5.4	5.8	5.6		5.8
44-5		5.4	5.5	5.5		5.4
44-6		5.4	5.8	5.0		5.2
45-3		5.6	6.2	5.7		5.8
45-4		5.5	6.3	5.3		5.7
45-5		5.4	6.2	5.5		
45-6		4.9	6.2	5.4		
45-7		5.3	5.9	5.1		
46-3		5.1	5.9	5.0		
46-4			6.0	5.1		
46-5			7.1	6.8		
46-6			6.1	5.1		
46-7			5.9	4.9		
47-3			6.2	5.2		
47-4			6.3	5.3		
47-5			5.6	6.1		
47-6			5.8	5.3		6.1
47-7			5.7			5.8
48-3			5.8			6.0
48-4			6.0	5.0		5.9
48-5			6.1			5.8
48-6			5.2			5.7
48-7			5.8	4.9		5.7
49-3			6.1	5.7		5.6
49-4			5.8			5.7
49-5			5.9			6.1
49-6			5.9			5.9
49-7			6.1			5.0
50-3			5.6	5.8		5.3
50-4			5.7	5.5		5.6
50-5			5.7	5.6		5.7
50-6			5.8	5.3		5.5

pH's R.O. UNIT FEEDS, cont.

Project Wk. & Day	Aero.	Am. Std.	DuPt.	Gulf	Rypk.	Univ.
50-7				5.6		5.7
51-4				4.8		5.6
51-5			6.1	5.7		5.7
51-6			5.9	5.7		5.7
51-7			5.5	5.5		5.6
52-3			5.5	5.4		5.6
52-4			5.6	5.1		5.9
52-5			6.0	5.0		5.9
52-6			5.3	5.6		5.7
52-7			5.9	4.9		5.5
53-3			6.1	5.0		6.0
53-4			5.5	4.8		5.7
53-5			5.5	5.1		5.7
53-6			5.6	5.4		5.6
53-7			5.2	5.1		5.7
54-3			5.7	5.0		5.6
54-4			5.4	4.9		5.7
54-5			6.0	4.5		5.6
54-6			5.6	5.3		5.6
54-7			5.6	4.4		5.3
55-3			5.8	4.8		5.2
55-4			5.6	4.6		5.2
55-5			5.3	5.1		5.4
55-6			5.8	5.2		5.7
55-7			5.5	5.0		5.7
56-3			5.9	5.1		6.0
56-4			5.8	5.1		5.5
56-5			5.7	5.1		5.5
56-6			5.8	5.5		5.7
56-7			5.9	5.0		4.9
57-3			5.7	5.6		5.7
57-4			5.5	5.6		5.8
57-5			5.1	5.1		5.5
57-6			6.2	5.9		6.2
57-7			5.4	4.5		6.2
58-3			5.4	5.7		5.9
58-4			5.4	5.8		5.8
58-5			5.9	4.9		5.9
58-6			5.5	5.2		5.4
58-7			5.8	3.8		5.4
59-3			6.3	5.3		6.1
59-4			5.8	5.7		5.7
59-5			5.5	5.3		7.3
59-6			5.8	5.9		5.7
59-7			6.0	6.0		6.1
60-3			5.2	5.1		4.5
60-4		5.4	4.9	5.5		6.2

pH's R.O. UNIT FEEDS, cont.

Project Wk. & Day	Aero.	Am. Std.	DuPt.	Gulf	RyPk.	Univ.
60-5		5.3	6.2	3.3		4.8
60-6		5.7	4.6	7.0		5.5
60-7		5.8	5.7	6.1		5.9
61-3		5.3	6.2	5.5		5.8
61-4		5.4	5.5	5.9		5.5
61-5		5.1	5.4	4.8	(no acid)	5.1
61-6		7.4	3.1	6.5	7.4	5.8
61-7		4.8	5.5	6.6	7.6	5.9
62-3		5.8	6.0	5.6	7.6	6.2
62-4		5.0	6.1	5.8	7.7	3.7
62-5			5.9	6.6	7.4	5.3
62-6		5.5	6.4	5.5	7.6	6.0
62-7		5.8	5.4	5.7	7.4	5.6
63-3		5.2	5.5	5.0	7.4	5.7
63-4				4.9	7.2	
63-5					7.2	6.1
63-6		6.1	4.9		7.6	5.9
63-7		5.2	6.2		7.5	5.5
64-3		4.0	4.1		7.3	5.8
64-5		5.7			7.7	6.3
64-6		5.8	6.3		7.6	5.6
64-7		5.8	6.3		7.6	5.6
65-3		3.2	5.8		7.4	5.6
65-4		3.1	5.9		7.5	6.4
65-5		5.2	5.4		7.4	4.6
65-6		3.0	5.4		7.6	4.3
65-7		5.8	6.0		7.4	5.7
66-4		5.9	7.4	5.4	7.6	5.4
66-5		5.4	6.4	6.5		6.4
66-6				6.1	7.5	6.4
66-7		4.7		5.2	7.5	5.6
67-3		3.4		5.8	7.4	4.5
67-4		5.8		5.6	7.4	5.6
67-5		5.8		5.4	7.3	5.5
67-6		5.5		5.4	7.3	6.5
67-7		5.8		5.2		6.3
68-3		5.4		5.3		
68-4		5.6				6.4
68-5		5.5		5.6		5.4
68-6		6.0		5.7		6.8
68-7		3.3		5.5		6.1
69-3		5.5		5.0		5.9
69-4		5.7		5.6		6.2

APPENDIX SECTION A-6

COMPUTER PRINTOUT SUMMARY

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

MARCH, 1970

AEROJET GENERAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
MAR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4														
5														
6														
7														
8														
9	510	490	500.0	7.20	2.20	1020	1500	1260	150	32.09	85.29	88.09	3.949388	0.118110
10	510	500	505.0	7.20	2.30	1160	1700	1430	175	34.11	84.91	87.76	4.197278	0.124582
11	510	500	505.0	7.20	2.40	1170	1570	1370	154	33.88	86.58	88.66	4.169197	0.123621
12	510	500	505.0	7.20	2.35	1030	1420	1225	159	33.17	84.56	86.87	4.082339	0.120699
13	510	490	500.0	7.20	2.20	1000	1420	1210	130	31.57	87.00	89.13	3.885052	0.116081
14	510	490	500.0	7.20	2.30	910	1300	1105	115	35.83	87.36	89.47	4.409270	0.131654
15														
16	510	490	500.0	7.20	2.20	1020	1370	1195	165	34.27	83.82	86.04	4.217562	0.126016
17	510	500	505.0	7.20	2.20	1140	1540	1340	185	34.84	83.62	86.14	4.287405	0.127149
18	530	490	510.0	7.20	2.20	1265	1650	1458	180	33.17	85.50	87.55	4.081274	0.120020
19	530	490	510.0	7.20	2.20	1334	1740	1537	210	34.84	84.25	86.33	4.287405	0.126240
20	530	490	510.0	7.20	2.15	1144	1620	1382	180	34.05	84.12	86.92	4.189965	0.123117
21														
22														
23	530	490	510.0	7.24	2.10	1003	1210	1107	132	32.00	86.96	88.06	3.960275	0.115864
24	510	475	492.5	7.24	2.10	1407	1720	1564	190	30.47	86.75	87.88	3.769870	0.114992
25	530	490	510.0	7.19	2.35	1424	1840	1632	160	35.48	88.65	90.15	4.359543	0.128613
26	520	480	500.0	7.24	2.20	1413	1880	1647	190	32.98	86.42	88.41	4.081274	0.122840
27	530	490	510.0	7.24	2.20	1345	1690	1518	180	32.98	86.61	88.01	4.081274	0.120085
28														
29														
30	525	490	507.5	7.24	2.00	1012	1260	1136	160	28.08	84.34	85.90	3.474330	0.102064
31	525	490	507.5	7.24	2.00	1225	1580	1403	150	32.02	87.75	89.25	3.962185	0.117109

RUN NO. 252 PRINTED JAN 26, 1971

MARCH, 1970

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

APRIL, 1970

AEROJET GENERAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
APR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	530	490	510.0	7.24	2.00	1206	1480	1343	148	32.55	87.72	88.92	4.027798	0.118357
2	540	510	525.0	4.09	2.20	1438	1750	1594	188	62.35	86.92	88.20	4.358405	0.124775
3	550	520	535.0	4.69	2.25	1494	1840	1667	190	55.61	87.28	88.60	4.457459	0.125318
4														
5														
6	550	515	532.5	5.49	2.30	1301	1630	1466	180	47.77	87.81	89.01	4.482287	0.126191
7	520	490	505.0	4.19	2.10	1584	1920	1752	195	57.15	87.68	88.86	4.092524	0.122214
8	530	490	510.0	4.64	2.20	1734	2100	1917	220	54.07	87.31	88.46	4.287405	0.127033
9	530	500	515.0	4.21	2.30	1627	2000	1814	200	61.28	87.81	88.96	4.409270	0.129137
10	530	500	515.0	4.01	2.30	1796	2240	2019	230	62.26	87.32	88.59	4.266766	0.125264
11														
12														
13	550	520	535.0	4.81	2.25	1388	1680	1534	155	52.47	88.83	89.84	4.313415	0.121005
14	660	640	650.0	7.26	2.25	1120	1520	1320	145	35.92	87.05	89.01	4.457459	0.103288
15	640	620	630.0	7.16	2.25	1020	1350	1185	130	35.83	87.25	89.02	4.384846	0.103669
16	650	630	640.0	7.21	2.20	1020	1360	1190	125	34.79	87.63	89.45	4.287405	0.099779
17	650	640	645.0	7.21	2.10	1105	1510	1308	130	34.89	88.23	90.00	4.299224	0.099446
18														
19	650	640	645.0	7.16	2.80	1080	1520	1300	160	43.15	85.16	87.62	5.280366	0.121991
20														
21	510	495	502.5	7.26	2.30	1060	1360	1210	162	36.12	84.57	86.55	4.482287	0.133352
22	500	490	495.0	7.26	2.15	1270	1690	1480	187	34.33	85.40	87.34	4.259349	0.129222
23	615	610	612.5	7.21	3.25	1120	1880	1500	187	51.40	83.43	87.50	6.333667	0.154623
24	590	585	587.5	7.21	2.95	1190	1740	1465	205	45.15	82.77	85.85	5.563241	0.141543
25														
26														
27	615	590	602.5	7.21	2.80	1060	1420	1240	177	45.76	83.30	85.72	5.638918	0.139552
28	600	590	595.0	7.21	2.75	1110	1480	1295	250	43.49	77.27	80.62	5.359256	0.134264
29	600	590	595.0	7.35	2.75	1070	1490	1280	205	44.09	81.01	83.96	5.536224	0.138616
30	600	590	595.0	7.35	2.80	1310	1820	1565	255	41.35	80.71	83.68	5.194350	0.130561

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1970

AEROJET GENERAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE			
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4	510	500	505.0	7.35	2.65	1140	1590	1365	187	36.65	83.59	86.22	4.603488	0.136369
5	510	495	502.5	7.25	2.40	1270	1690	1480	162	33.65	87.48	88.96	4.169197	0.124459
6	520	505	512.5	7.25	2.25	1360	1800	1580	155	34.24	88.60	89.86	4.243150	0.124363
7	510	500	505.0	7.20	2.10	1310	1730	1520	152	33.26	88.39	89.73	4.092524	0.121726
8	500	500	500.0	5.15	2.35	1280	2000	1640	185	51.19	85.54	88.25	4.505125	0.135489
9														
10														
11	520	520	520.0	5.20	2.50	1130	1900	1515	190	52.19	83.34	87.20	4.637811	0.133692
12	525	520	522.5	5.25	2.40	1210	1870	1540	176	50.44	85.45	88.17	4.526027	0.129922
13	520	515	517.5	5.30	2.25	1230	1810	1520	182	46.84	85.20	87.61	4.243156	0.122954
14	520	520	520.0	5.25	2.40	1220	2050	1635	210	48.81	82.62	86.72	4.379769	0.126439
15	530	530	530.0	5.30	2.30	1380	2540	1960	210	44.84	84.49	88.94	4.061646	0.115558
16														
17														
18														
19														
20	530	530	530.0	4.10	3.05	1340	3000	2170	480	76.87	62.80	76.72	5.875471	0.166956
21														
22	500	495	497.5	4.70	2.90	1270	2540	1905	470	64.81	62.63	74.60	5.206012	0.157241
23														
24														
25														
26														
27														
28														
29														
30														
31														

RUN NO. 124 — PRINTED OCT 07, 1970 — MAY, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — OCTOBER, 1970

AEROJET GENERAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE			
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE
OCT	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27	400	380	390.0	7.35	4.50	1250	2800	2025	227	62.23	81.48	88.64	8.527511	0.333459
28	420	390	405.0	7.35	4.45	1260	2550	1905	287	63.60	77.00	84.88	8.714366	0.326671
29														
30	380	360	370.0	7.10	4.40	1430	2875	2153	202	61.97	85.87	90.73	7.519017	0.311647
31														

RUN NO. 183 — PRINTED NOV 28, 1970 — OCTOBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — NOVEMBER, 1970

AEROJET GENERAL UNIT

	UNCORRECTED RAW DATA								INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY			PCT. REJECTION			FLUX	A VALUE
NOV	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2	655	555	605.0	6.75	3.65	1310	2275	1793	165	53.19	86.90	90.43	10.519199	0.260771
3	685	680	682.5	6.70	3.50	1260	2150	1705	180	53.98	85.43	89.23	10.596361	0.232134
4	610	495	552.5	6.85	3.45	1320	2230	1775	245	52.04	81.43	86.11	10.444984	0.283885
5	615	500	557.5	6.80	3.30	1240	2000	1620	197	50.98	83.81	87.68	10.156299	0.273193
6	605	490	547.5	6.90	3.50	1370	2150	1760	355	51.56	73.33	79.24	10.423742	0.285154
7														
8														
9														
10														
11														
12	625	525	575.0	6.80	3.55	1220	2200	1710	216	56.67	82.12	87.16	11.290569	0.294494
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														

RUN NO. 215 — PRINTED DEC 22, 1970 — NOVEMBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1970

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA										INDICES CORRECTED FOR TEMPERATURE			
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3	280	180	230.0	5.95	5.15	1420	9400	5410	380	77.15	73.51	92.85	3.531828	0.268900
4	310	190	250.0	5.95	5.05	1350	8700	5025	480	79.47	64.79	90.37	3.638167	0.248407
5														
6	320	190	255.0	5.95	5.25	1300	8250	4775	370	91.18	72.91	92.50	4.173959	0.278615
7														
8	340	210	275.0	6.00	5.30	1160	7000	4080	310	91.28	73.27	92.46	4.213711	0.253226
9	440	300	370.0	6.75	5.85	1240	8350	4795	310	89.56	74.75	93.47	4.650982	0.204542
10	500	340	420.0	7.30	6.20	1290	8500	4895	345	90.69	73.76	93.08	5.093654	0.195887
11	520	350	435.0	7.25	6.30	1400	9500	5450	370	88.33	73.83	93.03	4.927158	0.182731
12	530	340	435.0	7.05	6.10	1380	8100	4740	370	90.89	73.44	92.45	4.930053	0.181823
13														
14														
15	600	450	525.0	7.05	6.10	1250	8850	5050	310	92.40	74.96	94.09	5.011695	0.152032
16														
17	540	475	507.5	5.90	5.20	1380	10740	6060	460	92.58	66.98	92.78	4.202669	0.134338
18	640	560	600.0	6.85	6.30	1420	14000	7710	575	91.97	60.31	92.69	4.846895	0.130804
19	680	560	620.0	6.90	6.05	1400	9940	5670	590	89.13	58.69	89.71	4.731636	0.119744
20														
21														
22	675	500	587.5	7.00	6.20	1260	7140	4200	560	90.03	55.99	87.01	4.848949	0.127615
23														
24	680	360	520.0	7.35	6.60	1360	13160	7260	390	98.33	72.17	94.74	4.994983	0.157347
25	710	360	535.0	7.25	6.60	1500	13200	7350	445	88.09	71.24	94.02	4.964797	0.150938
26	750	400	575.0	6.70	5.95	1420	10800	6110	345	80.47	76.20	94.36	4.191243	0.115664
27														
28														
29	640	170	405.0	5.40	5.00	1230	9800	5515	775	91.08	38.25	86.22	3.787939	0.151224
30														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JULY, 1970

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA										INDICES CORRECTED FOR TEMPERATURE			
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
JUL	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2	640	310	475.0	7.65	5.95	1480	6600	4040	370	69.33	75.26	90.52	4.447245	0.145331
3	660	310	485.0	7.55	5.85	1490	5920	3705	345	72.55	77.31	90.64	4.593342	0.146642
4														
5														
6	650	320	485.0	7.60	6.05	1420	5960	3690	370	72.13	74.21	89.90	4.649109	0.148136
7	700	320	510.0	7.65	6.05	1440	5640	3540	325	72.84	77.66	90.83	4.726098	0.142829
8	720	330	525.0	7.60	5.75	1490	5920	3705	350	70.84	76.74	90.49	4.514823	0.132645
9	570	200	385.0	7.10	5.75	1480	6240	3860	410	75.83	72.58	89.39	4.514823	0.164630
10	580	200	390.0	7.10	5.50	1420	5960	3690	380	71.35	73.78	89.82	4.248179	0.170979
11														
12														
13	650	440	545.0	7.10	6.25	1300	9000	5150	350	81.08	73.35	93.39	4.827476	0.139671
14														
15	670	460	565.0	7.10	6.20	1610	11940	6775	470	79.12	71.41	93.09	4.710844	0.133400
16	660	420	540.0	6.90	6.00	1500	9300	5400	380	81.42	74.92	93.09	4.711120	0.137925
17	660	420	540.0	7.00	6.20	1530	8400	4965	460	80.25	70.25	90.40	4.710844	0.136117
18														
19														
20	670	420	545.0	6.95	6.10	1420	7900	4660	315	78.23	78.28	93.00	4.559360	0.130017
21	670	420	545.0	7.00	5.85	1400	6950	4175	360	75.72	74.92	91.25	4.444910	0.126133
22	670	460	565.0	7.00	6.05	1560	9780	5670	390	77.04	75.54	93.00	4.521986	0.129633
23	690	460	575.0	7.00	5.80	1490	8820	5155	370	77.58	75.16	92.94	4.534082	0.124369
24	640	420	530.0	7.15	6.50	1350	9040	5205	450	79.71	67.02	91.67	4.779192	0.142063
25														
26														
27	700	400	550.0	7.10	6.15	1350	7980	4665	425	79.79	68.84	91.21	4.750236	0.134937
28	710	400	555.0	7.20	6.15	1410	8280	4845	359	78.68	77.07	92.99	4.750236	0.134315
29	680	410	545.0	7.25	6.30	1530	9300	5415	430	73.73	71.49	92.43	4.482454	0.129662
30	700	410	555.0	7.25	6.15	1580	9120	5350	445	76.86	72.42	91.99	4.672853	0.132608
31	680	405	542.5	7.25	6.20	1500	9240	5370	385	73.76	74.33	93.08	4.484354	0.130333

RUN NO. 61 — PRINTED AUG 17, 1970 — JULY, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — AUGUST, 1970

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
AUG	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4	530	0	265.0	7.45	6.05	1760	6660	4210	560	73.58	68.51	86.94	4.649109	0.287359
5	490	310	400.0	7.80	6.10	1850	6720	4285	645	68.57	65.50	85.23	4.536056	0.178591
6	500	310	405.0	7.80	6.20	1750	6840	4295	500	69.70	72.03	88.60	4.610418	0.179548
7	520	350	435.0	7.80	6.25	1470	6200	3835	410	72.60	72.39	89.50	4.802799	0.172406
8														
9														
10	530	350	440.0	7.80	6.00	1630	6600	4115	380	69.70	76.92	91.01	4.610687	0.164547
11	520	350	435.0	7.80	6.35	1550	6840	4195	490	69.07	68.73	88.44	4.569369	0.164312
12	520	330	425.0	7.80	5.90	1670	6040	3855	425	68.54	74.91	89.09	4.533642	0.166746
13	485	290	387.5	7.80	5.70	1580	5140	3360	440	65.14	72.15	87.31	4.308799	0.173322
14	510	340	425.0	7.80	6.00	1650	5600	3625	445	69.70	73.31	88.13	4.610687	0.169054
15														
16														
17	515	335	425.0	7.85	5.85	1450	5440	3445	380	67.52	74.06	89.26	4.495421	0.164375
18	510	340	425.0	7.85	5.95	1730	6800	4265	520	64.31	70.58	88.06	4.281536	0.158076
19	510	340	425.0	7.85	6.05	1700	6880	4290	525	65.39	69.45	88.10	4.353494	0.160874
20	520	340	430.0	7.85	5.90	1450	5440	3445	410	66.99	72.02	89.32	4.459985	0.160806
21	520	340	430.0	7.85	5.75	1620	5760	3690	440	66.37	73.11	87.90	4.418575	0.159794
22														
23														
24	520	340	430.0	7.90	5.95	1690	6000	3845	400	67.13	76.58	89.87	4.497781	0.163499
25	520	340	430.0	7.90	5.80	1870	7080	4475	530	64.37	72.26	88.40	4.312971	0.157953
26														
27	610	430	520.0	8.95	7.15	1660	7280	4470	520	68.91	69.67	88.83	5.290359	0.158339
28	630	430	530.0	9.00	7.05	1650	6640	4145	445	69.82	73.59	89.66	5.390561	0.157773
29														
30														
31	630	430	530.0	9.00	6.90	1650	7200	4425	425	67.22	74.79	90.75	5.189925	0.152409

RUN NO. 104 — PRINTED SEP 14, 1970 — AUGUST, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — SEPTEMBER, 1970

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
SEP	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	645	420	532.5	8.95	6.65	1670	6160	3915	420	68.44	75.10	89.63	5.254512	0.152695
2	650	430	540.0	8.95	6.85	1790	5700	3745	560	68.22	69.69	84.91	5.237638	0.148715
3	650	420	535.0	8.85	6.55	1410	4470	2940	285	70.45	79.78	90.15	5.348326	0.152589
4	650	420	535.0	8.85	6.45	1330	4250	2790	405	70.52	69.85	85.29	5.353857	0.152087
5														
6														
7														
8	600	400	500.0	8.65	6.55	1370	4700	3035	360	70.90	74.25	87.80	5.261202	0.160737
9	600	400	500.0	8.70	6.55	1450	4950	3200	345	69.35	76.20	89.04	5.175498	0.158720
10	590	380	485.0	8.80	6.55	1560	4980	3270	470	68.56	69.87	85.39	5.235677	0.165610
11	590	380	485.0	8.75	6.45	1370	4520	2945	330	66.79	75.91	88.61	5.071755	0.159982
12														
13														
14	610	380	495.0	8.70	6.25	1200	3700	2450	295	69.51	75.66	87.98	5.248201	0.161101
15	650	460	555.0	8.65	6.75	1400	5020	3210	375	75.51	72.94	89.01	5.668056	0.156052
16	650	460	555.0	8.55	6.50	1390	4720	3050	335	73.56	75.48	88.73	5.458127	0.150074
17	650	460	555.0	8.45	6.65	1370	4800	3085	380	76.10	71.98	87.36	5.584085	0.153451
18	650	460	555.0	8.45	6.55	1330	4800	3065	345	73.70	74.06	88.47	5.410516	0.148673
19														
20														
21	660	460	560.0	8.45	6.40	1160	4000	2580	245	75.73	78.67	90.26	5.553622	0.150511
22	660	495	577.5	8.55	6.70	1480	5550	3515	415	74.59	71.75	87.81	5.599533	0.148410
23	660	490	575.0	8.50	6.75	1420	5390	3400	400	76.84	72.39	88.09	5.803010	0.154252
24	660	480	570.0	8.40	6.60	1290	4500	2895	312	77.29	75.57	89.94	5.768015	0.154030
25	660	500	580.0	8.30	6.80	1320	5180	3250	380	79.28	72.07	88.18	5.916429	0.155531
26														
27														
28														
29	670	490	580.0	8.70	6.45	1300	4400	2850	297	71.74	76.92	89.30	5.750473	0.150648
30	670	490	580.0	8.60	6.45	1280	4225	2753	320	72.57	74.75	88.07	5.750473	0.150397

RUN NO. 163 — PRINTED OCT 21, 1970 — SEPTEMBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — OCTOBER, 1970

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
OCT	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	660	470	565.0	8.45	6.40	1390	4410	2900	420	73.29	69.48	85.15	5.705894	0.153482
2	640	420	530.0	7.65	6.25	1450	5100	3275	455	75.25	69.26	85.82	5.438548	0.156770
3														
4														
5	645	410	527.5	7.67	5.95	1245	3850	2548	321	76.31	74.21	87.11	5.529065	0.159048
6	655	410	532.5	7.58	5.75	1240	3680	2460	278	75.85	78.01	88.67	5.431698	0.154747
7	665	405	535.0	7.65	5.55	1390	3880	2635	345	74.97	75.17	86.71	5.417844	0.153945
8	625	355	490.0	7.61	5.60	1387	3750	2569	326	73.58	76.72	87.24	5.290000	0.164348
9	600	395	497.5	6.90	5.30	1290	4100	2695	330	75.56	74.67	87.59	4.925049	0.150865
10														
11														
12	610	390	500.0	7.10	5.35	1300	3850	2575	330	75.35	74.86	87.02	5.053841	0.153769
13	620	410	515.0	7.10	5.70	1360	4350	2855	370	78.97	73.06	86.87	5.296751	0.156826
14	610	440	525.0	7.05	5.70	1490	5550	3520	412	79.53	72.62	88.13	5.296751	0.155122
15	630	440	535.0	7.00	5.70	1320	4550	2935	340	81.42	74.24	88.23	5.384465	0.153599
16	620	430	525.0	6.95	5.50	1260	4275	2768	350	77.84	71.39	87.07	5.110901	0.148342
17														
18														
19	630	420	525.0	7.05	5.45	1380	4275	2828	340	77.30	75.36	87.79	5.214308	0.151442
20	630	425	527.5	7.10	5.45	1410	4550	2980	348	76.76	75.07	88.02	5.214308	0.151025
21	630	430	530.0	7.10	5.50	1490	4580	3035	420	77.46	72.08	85.98	5.262146	0.151586
22	630	430	530.0	7.10	5.45	1320	4075	2698	400	76.76	69.99	84.98	5.214308	0.149480
23	640	420	530.0	7.05	5.20	1230	3600	2415	300	74.98	75.14	87.24	5.057506	0.144739
24														
25														
26	640	420	530.0	7.00	5.15	1140	3300	2220	275	76.02	75.41	87.28	5.091823	0.145333
27	640	420	530.0	6.80	5.30	1330	3775	2553	320	74.74	76.17	87.31	4.862936	0.139370
28	620	410	515.0	6.85	5.30	1300	3710	2505	276	76.67	78.76	88.74	5.025381	0.148460
29	620	410	515.0	6.80	5.30	1200	3550	2375	270	77.24	77.92	88.60	5.025381	0.148171
30	600	420	510.0	7.70	6.25	1450	5700	3575	395	82.51	73.28	88.73	5.327428	0.161208
31														

RUN NO. 183 — PRINTED NOV 28, 1970 — OCTOBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — NOVEMBER, 1970

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
NOV	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2	620	430	525.0	7.70	6.35	1280	4900	3090	475	81.12	63.62	84.56	5.297279	0.154049
3	630	440	535.0	7.68	6.15	1360	5500	3430	330	78.77	75.73	90.06	5.311510	0.152494
4	640	410	525.0	7.05	5.70	1370	4875	3123	290	82.18	79.03	90.51	5.273375	0.153942
5	660	405	532.5	7.05	5.45	1280	4075	2678	255	81.20	79.88	90.24	5.210462	0.149130
6	660	410	535.0	7.05	5.40	1370	4500	2935	302	77.86	77.95	89.47	4.995829	0.142607
7														
8														
9	645	415	530.0	6.84	5.60	1395	4300	2848	275	80.53	80.48	90.14	5.013443	0.144227
10	660	400	530.0	7.00	5.40	1220	4000	2610	236	81.03	80.09	90.62	5.162659	0.148353
11	660	410	535.0	6.63	5.35	1465	4620	3043	300	83.38	79.90	90.04	5.031536	0.144013
12	660	410	535.0	6.81	5.40	1350	4400	2875	290	80.60	78.72	89.78	4.995829	0.142565
13	670	400	535.0	6.95	5.35	1160	3600	2380	228	82.20	80.34	90.21	5.199558	0.147483
14														
15														
16														
17														
18														
19														
20	640	405	522.5	6.95	5.65	1380	4550	2965	340	82.64	75.12	88.24	5.227117	0.152951
21														
22														
23	645	450	547.5	6.36	4.92	1220	4200	2710	330	85.37	73.20	87.57	5.128973	0.142554
24	620	430	525.0	6.45	5.15	1255	4580	2918	390	83.87	69.22	86.35	5.110622	0.148595
25	620	390	505.0	6.28	4.84	1275	3880	2578	271	80.96	78.74	89.09	4.927745	0.148608
26														
27	630	380	505.0	6.35	4.70	1065	3040	2053	204	80.35	80.48	89.80	4.945004	0.148254
28														
29														
30	640	390	515.0	6.45	4.40	1070	3040	2055	192	75.28	82.05	90.52	4.706027	0.138315

RUN NO. 215 — PRINTED DEC 22, 1970 — NOVEMBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — DECEMBER, 1970

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
DEC	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	640	390	515.0	6.45	4.75	1230	3550	2390	245	79.94	79.89	89.50	4.997611	0.147523
2	615	410	512.5	5.84	4.40	1245	3650	2448	259	83.14	79.19	89.34	4.898811	0.145431
3	630	400	515.0	5.85	4.26	1260	3600	2430	257	80.36	79.41	89.17	4.741004	0.140109
4	620	400	510.0	5.94	4.40	1210	3450	2330	275	83.09	77.06	87.92	4.977902	0.148354
5														
6														
7	630	400	515.0	5.87	4.38	1240	3450	2345	282	82.34	77.25	87.80	4.874554	0.143747
8	630	400	515.0	5.90	4.30	1295	3650	2473	272	79.11	78.60	88.71	4.707505	0.139171
9	640	400	520.0	5.90	4.25	1310	3480	2395	255	82.14	80.35	89.11	4.887865	0.142979
10	640	400	520.0	5.90	4.15	1230	3210	2220	217	81.54	82.35	90.09	4.651854	0.141649
11	620	410	515.0	5.75	4.32	1130	3380	2255	258	85.66	77.56	88.53	5.036309	0.148420
12														
13														
14	620	400	510.0	5.70	4.05	1060	2820	1930	198	83.73	80.79	89.51	4.879268	0.144692
15	620	400	510.0	5.72	4.15	1100	2930	2015	233	84.11	78.62	88.18	4.918316	0.145976
16	620	400	510.0	5.68	3.95	1120	2960	2040	223	81.93	79.91	88.89	4.758811	0.141362
17	630	400	515.0	5.96	4.32	1210	3300	2255	250	84.02	78.90	88.56	5.119791	0.150964
18	640	400	520.0	5.84	4.35	1220	3220	2220	275	87.78	77.45	87.45	5.240715	0.152941
19														
20														
21	630	390	510.0	5.82	3.90	1145	2655	2000	255	82.96	77.72	87.08	4.935883	0.146530
22	620	390	505.0	5.82	4.05	1080	2750	1915	236	84.74	77.76	87.30	5.042225	0.150983
23	620	390	505.0	5.82	3.92	1120	2810	1965	218	80.69	80.30	88.73	4.800874	0.143971
24	620	390	505.0	5.82	3.88	1120	2920	2020	222	79.86	79.82	88.74	4.751867	0.142587
25														
26														
27														
28	615	390	502.5	5.83	3.85	1140	2880	2010	229	79.11	79.91	88.46	4.780633	0.144119
29	620	390	505.0	5.74	3.96	1135	2650	1893	262	84.01	77.11	86.71	4.996651	0.149841
30	620	390	505.0	5.80	3.90	1200	3025	2113	265	80.55	77.91	87.29	4.842720	0.145417
31	620	390	505.0	5.80	3.90	1295	3250	2273	276	79.24	78.49	87.59	4.763832	0.143424

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JANUARY, 1971

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
JAN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4	640	420	530.0	5.63	3.83	950	2325	1638	223	87.03	76.32	86.09	5.076731	0.144143
5	640	420	530.0	5.59	3.76	1035	2510	1773	255	86.51	75.15	85.40	5.012429	0.142577
6	640	420	530.0	5.53	3.85	1045	2530	1788	262	89.06	74.26	84.96	5.105252	0.145220
7	640	425	532.5	5.60	3.74	1135	2720	1928	290	85.44	74.44	84.67	4.959367	0.140635
8	640	420	530.0	5.60	3.80	1180	2830	2005	307	86.81	73.31	84.20	5.036950	0.143741
9														
10														
11	640	420	530.0	5.53	3.83	1050	2620	1835	252	87.16	75.37	85.91	4.995998	0.142225
12	640	420	530.0	5.56	3.95	1200	3010	2105	285	87.95	76.04	86.17	5.066596	0.144601
13	650	420	535.0	5.65	3.73	1200	2970	2085	194	83.06	83.83	90.57	4.865555	0.137677
14	670	440	555.0	5.65	3.80	1160	3300	2230	230	93.15	80.34	89.64	4.944795	0.135121
15	680	440	560.0	5.68	3.80	1140	3080	2110	216	94.14	80.86	89.60	5.026660	0.135916
16														
17														
18														
19														
20														
21														
22														
23														
24														
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31														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — APRIL, 1971

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
APR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SQ*SEC	G/SQ*SEC*A
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26	630	330	480.0	11.90	9.31	1145	4400	2773	150	85.70	87.02	94.55	9.703436	0.310993
27	675	330	502.5	11.21	8.09	1415	4430	2923	175	79.64	87.83	93.90	8.493818	0.258059
28	710	450	580.0	10.62	8.74	1245	4600	2923	130	90.86	89.30	95.40	9.120105	0.240470
29	625	380	502.5	9.23	7.04	1500	4150	2725	140	84.17	89.23	94.75	7.352313	0.264364
30	640	360	500.0	9.19	6.80	1255	3520	2388	113	81.65	93.74	95.07	7.101667	0.216797

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1971

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SQ*SEC	G/SQ*SEC*A
1														
2														
3	670	355	512.5	9.21	6.59	1165	3080	2123	87	78.96	92.53	95.84	6.882351	0.203895
4	605	370	487.5	8.22	6.68	1250	3685	2468	127	86.78	89.84	94.77	8.757497	0.211810
5	640	362	501.0	8.21	5.44	1205	2950	2078	142	73.12	88.32	93.09	5.686882	0.172147
6	625	390	507.5	8.20	6.66	1210	3475	2343	152	88.17	87.43	93.37	6.854570	0.205623
7	625	390	507.5	8.12	5.96	1345	3900	2623	172	78.38	87.33	93.31	6.040097	0.181867
8														
9														
10	610	375	492.5	8.04	5.70	1175	3200	2188	125	75.70	89.36	94.20	5.787115	0.178620
11														
12	620	375	497.5	7.77	5.72	1200	3015	2108	112	77.33	90.75	94.66	5.717620	0.174446
13	600	355	477.5	8.43	6.20	1375	3750	2563	131	73.54	90.47	94.77	5.899458	0.188885
14	600	345	472.5	8.36	4.90	1415	3500	2458	135	62.59	90.45	94.46	4.979071	0.161296
15														
16														
17														
18	640	165	402.5	10.15	6.12	1320	2795	2058	104	64.38	92.12	94.84	6.293713	0.239081
19	660	165	412.5	9.85	6.30	1355	2780	2068	116	68.30	91.35	94.30	6.478824	0.239929
20	685	170	427.5	10.00	5.55	1310	2655	1983	94	58.30	92.82	95.19	5.614561	0.200043
21	660	200	430.0	9.53	5.50	1310	2850	2080	103	62.65	92.13	94.98	5.749781	0.204133
22														
23														
24	660	200	430.0	9.50	5.25	1120	2410	1765	88	59.01	92.36	95.09	5.399020	0.190474
25	650	200	425.0	9.84	5.14	1305	2760	2033	111	53.98	91.57	94.51	5.119440	0.183572
26	665	205	435.0	9.48	5.18	1520	3100	2310	126	54.64	91.71	94.47	5.001789	0.175824
27	615	205	410.0	8.90	5.44	1630	3260	2445	134	64.21	91.85	94.46	5.518147	0.207087
28	620	200	410.0	9.13	5.00	1275	2480	1878	113	59.45	91.21	93.96	5.241195	0.194663
29														
30														
31														

RUN NO. 348 — PRINTED JUL 12, 1971 — MAY, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1971

AMERICAN STANDARD UNIT

	UNCORRECTED RAW DATA								INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY			PCT. REJECTION			FLUX	A VALUE
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	700	200	450.0	9.16	4.70	1560	2850	2205	84	53.78	94.66	96.17	4.767517	0.161784
2	630	200	415.0	9.15	5.34	1250	2560	1905	98	62.32	92.23	94.80	5.506410	0.202015
3	640	195	417.5	9.08	4.86	1210	2570	1890	88	57.15	92.72	95.28	5.011452	0.182673
4	650	195	422.5	9.29	4.84	1270	2670	1970	102	55.18	92.04	94.80	4.950102	0.178336
5														
6														
7														
8	670	200	435.0	8.36	4.10	1305	2300	1803	95	51.52	92.78	94.68	4.213414	0.146845
9	640	195	417.5	8.20	3.96	1370	2470	1920	89	50.73	93.44	95.26	4.069541	0.148375
10	640	195	417.5	8.35	3.63	1300	2430	1865	97	46.42	92.53	94.73	3.792168	0.138136
11	650	200	425.0	8.26	3.90	1345	2500	1923	109	49.60	91.97	94.34	4.007883	0.143444
12														
13														
14	555	195	375.0	8.28	4.75	1235	2550	1893	94	56.43	92.53	94.99	4.622934	0.187915
15	570	195	382.5	8.31	4.40	1300	2510	1905	96	53.82	92.68	94.91	4.425317	0.176376
16	600	190	395.0	8.44	4.17	1340	2630	1985	86	49.40	93.56	95.60	4.125675	0.159309
17	600	190	395.0	8.36	4.17	1330	2590	1960	95	48.26	92.92	95.10	3.992394	0.153955
18	620	190	405.0	8.21	4.20	1350	2590	1970	104	51.15	92.37	94.66	4.155356	0.156201
19														
20														
21	670	210	440.0	9.94	5.08	1245	2650	1948	84	51.10	94.91	96.67	5.026002	0.173442
22														
23	615	210	412.5	9.70	5.40	1560	3585	2573	88	52.13	94.35	96.52	5.060394	0.188691
24	600	210	405.0	9.37	5.00	1210	2720	1965	82	51.63	93.22	95.76	4.847019	0.182096
25	630	205	417.5	9.57	5.10	1435	2770	2003	78	52.42	93.74	96.08	5.025829	0.183313
26														
27														
28														
29														
30														

RUN NO. 356 — PRINTED JUL 27, 1971 — JUNE, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MARCH, 1970

DU PONT UNIT

MAR	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PCT. REJECTION PROD	RCVRY	TOTAL	INDICES CORRECTED FOR TEMPERATURE: FLUX AVE.	GMS/SM*SEC	A VALUE G/SM*SEC*A
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27	590	510	550.0	11.38	7.70	1210	3240	2225	420	69.92	66.26	81.13	0.033584	0.000921
28	600	480	540.0	10.84	6.95	1030	2380	1705	410	69.60	60.92	76.08	0.031844	0.000883
29														
30	600	455	527.5	9.49	6.65	920	2520	1720	360	71.23	61.24	78.97	0.028532	0.000813
31	630	390	510.0	8.34	5.85	1100	3000	2050	480	81.31	56.75	76.48	0.028624	0.000846

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — APRIL, 1970

DU PONT UNIT

APR	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PCT. REJECTION PROD	RCVRY	TOTAL	INDICES CORRECTED FOR TEMPERATURE: FLUX AVE.	GMS/SM*SEC	A VALUE G/SM*SEC*A
1	670	380	525.0	8.34	5.75	1110	2640	1875	530	79.92	53.10	71.70	0.028134	0.000804
2	595	315	455.0	7.54	5.15	1060	2700	1880	520	77.89	53.94	72.15	0.024768	0.000820
3	610	285	447.5	6.79	4.85	1140	2840	1990	610	82.80	46.97	69.22	0.023731	0.000799
4														
5														
6	555	245	400.0	6.29	4.45	1050	2960	2005	530	80.66	49.96	73.45	0.021419	0.000811
7	580	265	422.5	7.39	4.90	1230	2600	1915	540	75.61	56.49	71.70	0.023565	0.000842
8	620	265	442.5	7.89	5.20	1270	2720	1995	525	73.93	59.41	73.67	0.024621	0.000840
9	625	265	445.0	7.84	5.20	1200	2800	2000	480	73.19	60.30	75.84	0.024240	0.000822
10	595	265	430.0	7.90	5.30	1250	2800	2025	530	78.83	57.59	73.82	0.024264	0.000853
11														
12														
13	590	265	427.5	8.00	5.25	1070	2500	1785	500	72.42	54.12	71.96	0.024453	0.000861
14	600	305	452.5	7.48	5.80	1160	3240	2200	570	91.38	50.86	74.09	0.028849	0.000921
15	585	365	475.0	7.63	5.90	1020	2640	1830	560	86.74	48.09	69.35	0.027935	0.000883
16	590	365	477.5	7.63	5.85	1360	2790	1925	555	86.01	48.11	71.04	0.027699	0.000872
17	590	425	507.5	8.08	6.40	1250	3500	2375	630	88.85	50.51	73.42	0.030303	0.000902
18														
19	570	430	500.0	7.73	6.55	1070	2910	1990	610	91.98	43.51	69.21	0.030011	0.000901
20														
21	605	445	525.0	7.78	6.40	1030	2900	1965	620	92.28	40.35	68.30	0.030303	0.000866
22	610	445	527.5	7.73	6.30	1250	3640	2445	580	92.94	54.43	76.22	0.030323	0.000870
23	610	445	527.5	7.73	6.30	1110	3020	2065	570	91.43	49.11	72.27	0.029829	0.000853
24	600	445	522.5	8.68	6.90	1200	3160	2180	625	84.89	48.40	71.20	0.031100	0.000895
25														
26														
27	645	480	562.5	8.08	6.50	1050	3180	2115	505	93.26	52.76	76.06	0.031804	0.000850
28	615	465	540.0	7.68	6.40	1080	3180	2130	640	95.03	41.27	69.81	0.030805	0.000857
29														
30	600	455	527.5	8.40	6.65	1300	3500	2400	750	84.54	43.37	68.69	0.029973	0.000856

RUN NO. 244 — PRINTED JAN 22, 1971 — APRIL, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1970

DU PONT UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
DAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	595	445	515.0	8.45	6.80	1250	3700	2475	640	81.80	48.80	73.95	0.0029175	0.000856
2														
3														
4	590	445	512.5	8.45	6.80	1150	3600	2375	570	80.47	50.91	76.05	0.0028700	0.000845
5	610	455	532.5	8.50	6.50	1780	3280	2270	610	81.66	52.49	72.70	0.0029297	0.000828
6	610	455	532.5	8.45	6.45	1290	3440	2365	680	81.51	47.77	70.51	0.0029071	0.000822
7	625	465	545.0	8.50	6.20	1230	3520	2375	590	81.82	55.69	76.25	0.0029356	0.000813
8	620	475	547.5	8.20	6.50	1320	4000	2660	670	84.65	50.19	74.38	0.0029297	0.000809
9														
10														
11	625	480	552.5	8.20	6.50	1120	3740	2180	545	84.65	51.79	74.34	0.0029297	0.000797
12	630	480	555.0	8.25	6.50	1190	3440	2315	600	85.53	50.51	73.46	0.0029782	0.000807
13	620	485	552.5	7.85	6.45	1230	4080	2840	620	89.19	50.99	76.15	0.0029553	0.000809
14	620	485	552.5	7.96	6.45	1280	4600	2940	625	86.20	52.09	78.53	0.0029598	0.000786
15	615	490	552.5	7.81	6.60	1400	5200	3300	770	85.90	46.06	76.94	0.0028317	0.000781
16														
17														
18	615	490	552.5	7.86	6.55	1290	4680	2985	675	83.33	48.69	77.65	0.0027645	0.000760
19	620	500	560.0	7.66	6.40	1400	5120	3260	730	84.93	48.35	77.48	0.0027459	0.000746
20	610	490	550.0	8.00	6.70	1340	4480	2910	730	85.13	46.56	75.02	0.0028748	0.000792
21	620	490	555.0	8.00	6.45	1300	4000	2650	700	86.09	47.16	73.32	0.0027471	0.000791
22	620	500	560.0	7.85	6.40	1320	4160	2740	640	87.06	52.42	76.40	0.0028846	0.000779
23														
24														
25	625	500	562.5	7.90	6.20	1150	3600	2375	595	83.50	47.76	74.14	0.0027489	0.000735
26	630	515	572.5	7.45	6.10	1120	4040	2600	580	91.85	47.73	76.29	0.0028662	0.000762
27	625	510	567.5	7.50	6.15	1220	4650	2935	670	86.14	44.55	76.42	0.0027268	0.000728
28	620	500	560.0	7.60	5.95	1200	3820	2360	620	83.60	49.52	73.59	0.0026818	0.000721
29	615	500	557.5	7.45	6.10	1250	4000	2625	670	83.22	45.88	73.84	0.0026169	0.000708
30	615	500	557.5	7.45	6.00	1320	4320	2820	700	80.53	47.48	75.23	0.0025323	0.000687
31														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1970

DU PONT UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	615	500	557.5	7.50	6.00	1310	4560	2940	700	80.00	46.96	76.19	0.0025323	0.000688
2	605	500	552.5	7.45	6.05	1420	4800	3110	770	78.58	48.85	75.35	0.0024709	0.000678
3														
4														
5														
6	650	550	600.0	7.20	5.55	1380	3880	2630	760	77.08	44.92	71.31	0.0023424	0.000587
7														
8	665	550	607.5	7.30	5.35	1210	2960	2085	690	73.28	45.74	68.95	0.0022580	0.000556
9	630	530	580.0	6.95	5.35	1310	3440	2375	710	79.72	44.71	69.72	0.0022212	0.000575
10	645	540	592.5	6.95	5.45	1400	3620	2510	660	79.71	52.85	73.88	0.0023383	0.000594
11	635	530	582.5	7.00	5.55	1420	3920	2670	710	76.72	50.98	73.15	0.0022667	0.000586
12	645	535	590.0	6.95	5.45	1360	3400	2380	690	81.03	52.20	73.05	0.0023770	0.000606
13														
14														
15	660	545	602.5	7.00	5.40	1300	3400	2350	520	79.71	59.61	78.26	0.0023552	0.000588
16														
17	645	550	597.5	6.95	5.60	1370	4240	2805	660	84.48	51.35	76.91	0.0024424	0.000618
18	635	545	590.0	6.95	5.55	1430	4800	3115	650	77.27	54.08	78.92	0.0022667	0.000582
19	640	545	592.5	6.95	5.30	1450	4260	2855	650	73.79	54.71	77.17	0.0021646	0.000552
20														
21														
22	650	555	602.5	6.95	5.20	1310	3500	2405	575	73.60	55.66	76.02	0.0021589	0.000538
23														
24	640	530	585.0	7.20	5.10	1430	3720	2575	630	67.42	58.04	76.18	0.0020490	0.000527
25	630	540	585.0	6.90	5.30	1590	4650	3120	670	69.60	57.85	78.52	0.0020274	0.000524
26	630	540	585.0	6.95	5.25	1470	4380	2925	625	69.44	57.02	78.57	0.0020076	0.000518
27														
28														
29	695	540	587.5	6.65	4.90	1200	3000	2100	570	71.30	52.97	72.93	0.0020012	0.000510
30														

RUN NO. 92 — PRINTED SEP 8, 1970 — JUNE, 1970

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

JULY, 1970

DU PONT UNIT

JUL	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	PRESSURE,PSI BRINE	PRESSURE,PSI AVE.	FLOW,GPM FEED	FLOW,GPM PROD	CONDUCTIVITY FEED	CONDUCTIVITY BRINE	CONDUCTIVITY AVE.	CONDUCTIVITY PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION RCVRY	PCT. REJECTION TOTAL	FLUX AVE. GMS/SM*SEC	A VALUE G/SM*SEC*A
1													
2													
3	620	435	527.5	9.25	7.30	1550	5600	3575	520	71.91	65.73	89.26	0.027919	0.000811
4													
5													
6	620	435	527.5	9.20	7.25	1400	4800	3100	600	70.24	56.68	80.59	0.027276	0.000786
7	640	460	550.0	9.15	7.35	1420	4520	2970	710	71.80	50.52	75.96	0.027692	0.000760
8	650	470	560.0	9.20	7.15	1580	4920	3040	780	70.42	50.00	74.54	0.027345	0.000739
9	650	470	560.0	9.15	7.00	1490	4680	2985	675	69.32	54.69	77.56	0.026771	0.000724
10	640	465	552.5	9.15	7.15	1440	4720	3080	625	67.40	56.59	79.36	0.026034	0.000714
11													
12													
13	640	470	555.0	8.75	6.90	1320	4600	2960	550	69.14	57.88	81.37	0.025536	0.000697
14													
15	630	470	550.0	8.70	6.95	1660	5009	3835	750	67.78	54.81	80.27	0.024894	0.000691
16	650	480	565.0	8.60	6.70	1460	4800	3030	720	70.59	50.16	78.17	0.025624	0.000686
17	620	575	597.5	8.70	7.10	1590	4740	3160	780	68.12	49.51	74.75	0.025013	0.000681
18													
19													
20	630	575	602.5	8.70	6.90	1430	4050	2740	655	68.41	54.89	75.98	0.025120	0.000627
21	630	520	575.0	8.70	6.85	1420	4100	2780	620	68.81	56.81	77.59	0.024532	0.000643
22	635	475	555.0	8.70	6.70	1480	3700	2580	675	66.42	53.76	73.83	0.024392	0.000661
23	660	545	602.5	8.70	6.40	1430	3920	2675	630	67.76	56.39	76.86	0.024892	0.000602
24	650	510	580.0	8.40	6.95	1300	4800	3050	540	71.36	55.85	81.49	0.025302	0.000661
25													
26													
27	670	520	595.0	8.35	6.60	1370	4720	3045	630	71.62	54.97	79.90	0.025242	0.000642
28	640	515	577.5	8.15	6.60	1420	5200	3310	670	71.01	53.31	80.48	0.024426	0.000643
29	620	500	560.0	8.10	6.65	1540	4260	2900	730	69.66	53.11	75.49	0.023816	0.000642
30	635	510	572.5	8.15	6.60	1550	5520	3535	780	69.85	50.74	78.75	0.024028	0.000639
31	625	505	565.0	8.15	6.65	1480	5320	3400	725	69.23	51.54	79.25	0.023816	0.000641

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

AUGUST, 1970

DU PONT UNIT

AUG	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	PRESSURE,PSI BRINE	PRESSURE,PSI AVE.	FLOW,GPM FEED	FLOW,GPM PROD	CONDUCTIVITY FEED	CONDUCTIVITY BRINE	CONDUCTIVITY AVE.	CONDUCTIVITY PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION RCVRY	PCT. REJECTION TOTAL	FLUX AVE. GMS/SM*SEC	A VALUE G/SM*SEC*A
1													
2													
3	630	510	570.0	7.90	6.60	1340	4960	3150	580	72.06	57.63	82.12	0.024028	0.000640
4	640	515	577.5	7.90	6.50	1540	5680	3610	670	70.97	57.41	81.98	0.023664	0.000625
5	635	500	567.5	8.00	6.40	1570	5080	3325	770	69.00	51.48	77.46	0.023300	0.000623
6	635	505	570.0	8.00	6.40	1430	4840	3135	675	69.00	53.80	78.92	0.023300	0.000619
7	655	515	585.0	8.00	6.35	1420	4720	3070	640	70.75	54.92	79.48	0.023890	0.000618
8													
9													
10	670	520	595.0	8.00	6.20	1370	4240	2805	525	71.38	61.67	81.57	0.024104	0.000612
11	650	520	585.0	8.10	6.45	1190	5680	3785	1310	67.56	47.72	73.89	0.023099	0.000600
12	665	525	595.0	8.10	6.20	1720	5640	3680	880	68.23	48.83	76.28	0.023326	0.000596
13	650	512	581.0	7.43	6.10	1440	3720	2580	795	73.18	45.37	69.96	0.022947	0.000593
14	675	530	602.5	8.10	6.10	1520	4640	3080	670	68.24	54.98	78.80	0.023329	0.000586
15													
16													
17	655	510	582.5	8.00	5.95	1270	3800	2535	580	66.29	54.33	77.82	0.022385	0.000579
18	635	495	565.0	7.90	6.00	1420	4240	2830	770	65.51	45.77	73.44	0.021844	0.000583
19	625	485	555.0	8.30	6.45	1400	4120	2760	720	65.94	49.68	74.88	0.023099	0.000628
20	650	495	572.5	7.95	6.10	1350	3680	2515	630	67.28	52.31	75.19	0.022575	0.000593
21	655	495	575.0	7.95	5.95	1530	3840	2685	800	66.71	47.15	71.21	0.022385	0.000586
22													
23													
24	645	500	572.5	7.95	5.95	1220	3600	2410	580	70.24	52.45	76.67	0.022385	0.000588
25	625	520	572.5	8.15	6.40	1630	3880	2755	890	65.54	44.78	68.08	0.022547	0.000592
26													
27	650	530	590.0	8.15	6.60	1450	4320	2885	710	69.85	50.49	75.91	0.024028	0.000614
28	640	505	572.5	8.60	6.65	1350	3500	2425	770	67.80	43.56	69.05	0.024611	0.000639
29													
30													
31	635	515	575.0	7.95	6.25	1300	4200	2750	610	67.81	54.07	78.63	0.022754	0.000597

RUN NO. 104 PRINTED SEP 14, 1970

AUGUST, 1970

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

SEPTEMBER, 1970

DU PONT UNIT

SEP	PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	PCT. RCVRY	REJECTION TOTAL	AVE.	FLUX GMS/SM*SEC	A VALUE G/SM*SEC*A
1	650	520	585.0	7.80	6.20	1350	4000	2675	590	72.02	56.75	78.83	0.023712	0.000612
2	650	495	572.5	8.60	6.25	1475	3500	2488	600	63.72	59.32	75.69	0.023131	0.000607
3	660	520	590.0	8.05	6.00	1200	3220	2210	710	69.79	41.43	67.72	0.023713	0.000601
4	670	530	600.0	7.95	5.90	1340	3400	2370	585	70.64	56.78	75.02	0.023704	0.000593
5														
6														
7														
8	630	505	567.5	7.80	6.00	1310	3650	2480	575	68.56	57.02	76.76	0.022573	0.000598
9	630	495	562.5	8.20	6.30	1490	3850	2650	635	66.27	57.13	75.99	0.022936	0.000614
10	650	505	577.5	8.20	6.05	1490	3900	2645	680	66.85	54.83	73.97	0.023138	0.000603
11	655	515	585.0	8.05	6.25	1370	3750	2560	575	69.20	58.90	77.49	0.023514	0.000605
12														
13														
14	670	520	595.0	8.05	5.85	1220	3150	2185	360	70.32	70.49	83.28	0.023892	0.000603
15	670	525	597.5	8.00	5.95	1430	3670	2550	535	70.79	62.58	78.85	0.023905	0.000602
16	610	495	552.5	7.45	6.30	1410	4180	2795	620	72.97	56.94	77.93	0.022947	0.000628
17	635	505	570.0	7.75	5.70	1340	3800	2570	480	73.82	64.89	81.28	0.022901	0.000606
18	630	500	565.0	7.35	5.70	1320	3800	2560	505	72.61	62.12	80.17	0.022526	0.000602
19														
20														
21	650	510	580.0	7.25	5.55	1150	3100	2125	465	75.30	59.56	77.79	0.023043	0.000596
22	640	503	571.5	7.10	5.55	1474	3960	2717	584	74.41	60.37	79.18	0.022778	0.000589
23	640	505	572.5	7.30	5.65	1400	3840	2620	550	73.57	61.10	78.75	0.022867	0.000597
24	645	505	575.0	7.35	5.55	1340	3570	2455	550	73.07	59.36	77.92	0.022667	0.000593
25	650	510	580.0	7.45	5.70	1330	3720	2525	495	72.83	62.78	80.24	0.022901	0.000595
26														
27														
28	650	500	575.0	7.50	5.60	1250	3390	2320	509	72.25	59.68	77.79	0.022871	0.000598
29	645	500	572.5	7.30	5.65	1310	3590	2450	515	74.89	61.46	78.93	0.023076	0.000607
30	645	500	572.5	7.45	5.65	1270	3650	2460	460	72.19	63.77	81.15	0.022704	0.000598

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

OCTOBER, 1970

DU PONT UNIT

OCT	PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	PCT. RCVRY	REJECTION TOTAL	AVE.	FLUX GMS/SM*SEC	A VALUE G/SM*SEC*A
1	650	510	580.0	7.45	5.65	1460	3800	2630	635	73.38	56.50	75.50	0.023076	0.000599
2	635	500	567.5	7.30	5.65	1430	3900	2665	610	73.67	58.62	77.12	0.022700	0.000603
3														
4														
5	630	500	565.0	7.19	5.75	1240	3700	2470	535	77.38	57.28	78.06	0.023484	0.000626
6	640	505	572.5	6.94	5.60	1336	3320	2328	572	80.89	56.76	75.18	0.023635	0.000621
7	660	515	587.5	7.35	5.50	1380	3375	2378	650	76.06	52.89	72.28	0.023598	0.000603
8	640	490	565.0	7.16	5.55	1360	3810	2585	692	76.25	49.61	73.10	0.023043	0.000614
9	640	495	567.5	7.18	5.55	1340	3440	2390	555	76.03	58.99	76.50	0.023043	0.000611
10														
11														
12	635	490	562.5	7.35	5.65	1310	3420	2365	610	73.17	54.36	74.16	0.022700	0.000606
13	645	495	570.0	7.35	5.60	1380	3700	2540	560	73.72	59.42	77.78	0.022871	0.000605
14	645	475	560.0	7.70	5.60	1370	3420	2395	570	70.37	58.39	75.85	0.022871	0.000614
15	655	480	567.5	7.50	5.55	1380	3100	2240	560	74.00	59.81	74.90	0.023424	0.000620
16	650	480	565.0	7.29	5.50	1260	3200	2230	530	74.21	57.93	75.89	0.022835	0.000607
17														
18														
19	655	475	565.0	7.45	5.55	1420	3500	2460	550	72.08	61.26	77.48	0.022667	0.000604
20	660	480	570.0	7.53	5.60	1420	3550	2485	540	73.15	61.97	78.11	0.023250	0.000615
21	660	480	570.0	7.47	5.55	1470	3500	2485	660	73.08	54.64	73.17	0.023043	0.000608
22	655	480	567.5	7.40	5.50	1340	3250	2295	560	73.11	58.20	75.42	0.022835	0.000605
23	675	480	577.5	7.45	5.35	1220	2925	2373	520	74.21	57.78	74.80	0.023334	0.000606
24														
25														
26	660	465	562.5	7.35	5.25	1160	2760	1960	480	72.61	58.21	75.27	0.022525	0.000600
27	660	465	562.5	7.35	5.35	1300	3100	2200	520	73.99	60.00	76.03	0.022954	0.000613
28	675	470	572.5	7.32	5.15	1300	2920	2110	570	72.70	56.15	72.62	0.022462	0.000588
29	670	470	570.0	7.32	5.15	1350	3050	2200	485	72.70	63.72	77.73	0.022462	0.000592
30	640	455	547.5	7.15	5.30	1460	3420	2440	700	74.12	52.05	71.31	0.022369	0.000615
31														

RUN NO. 183 PRINTED NOV 28, 1970

OCTOBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — NOVEMBER, 1970

DU PONT UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
NOV	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2	650	465	557.5	7.13	5.30	1270	3125	2198	590	73.12	54.00	73.03	0.022005	0.000592
3	670	465	567.5	7.05	5.25	1300	3250	2275	540	75.70	58.46	76.09	0.022525	0.000597
4	670	475	572.5	7.15	5.25	1370	3400	2385	590	74.64	56.93	75.08	0.022525	0.000592
5	675	475	575.0	7.10	5.15	1260	3125	2193	540	74.95	57.55	75.26	0.022462	0.000587
6	665	470	567.5	7.05	5.20	1390	3300	2345	680	74.98	52.02	71.17	0.022310	0.000590
7														
8														
9	625	440	532.5	6.58	5.02	1216	2700	1958	602	75.04	49.99	68.73	0.020842	0.000586
10	650	455	552.5	6.90	5.20	1270	3300	2285	540	74.13	57.90	76.26	0.021589	0.000588
11	680	470	575.0	6.77	5.10	1300	3300	2300	540	80.44	59.24	76.32	0.022986	0.000601
12	670	470	570.0	6.76	5.10	1240	2930	2085	610	76.69	51.27	70.62	0.021881	0.000575
13	665	460	562.5	6.50	4.80	1140	2675	2008	520	78.86	54.81	73.99	0.021634	0.000577
14														
15														
16														
17	660	465	562.5	6.50	4.70	1315	3340	2328	650	74.72	51.04	71.95	0.020499	0.000548
18	405	345	375.0	12.45	9.35	1390	4580	2985	112	75.10	92.02	96.22	0.852526	0.035539
19	420	360	390.0	12.70	8.95	1300	3950	2625	88	74.03	93.23	96.59	0.857271	0.034084
20	420	370	395.0	11.65	8.35	1240	3950	2595	83	75.29	93.36	96.78	0.799800	0.031357
21														
22														
23	420	365	392.5	11.54	8.20	1160	3520	2340	66	77.13	94.36	97.16	0.811661	0.031915
24	405	360	382.5	11.45	8.45	1215	3850	2533	97	75.02	92.01	96.14	0.783224	0.031675
25	410	360	385.0	11.35	8.20	1240	3700	2470	109	75.89	91.20	95.55	0.785432	0.031528
26														
27	415	365	390.0	11.40	8.00	1050	3010	2030	108	74.94	89.71	94.60	0.778965	0.030565
28														
29														
30	410	355	382.5	10.85	7.10	1010	2550	1780	98	72.21	90.38	94.50	0.714418	0.028471

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — DECEMBER, 1970

DU PONT UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
DEC	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	405	355	380.0	10.70	7.20	1190	3200	2195	116	71.85	90.25	94.67	0.701068	0.028376
2	410	360	385.0	10.47	7.10	1225	3450	2338	122	72.41	90.04	94.74	0.691331	0.027687
3	420	365	392.5	10.48	6.96	1230	3170	2200	121	73.29	90.25	94.47	0.700330	0.027417
4	420	365	392.5	10.51	6.78	1235	3125	2180	121	72.36	90.20	94.37	0.693516	0.027143
5														
6														
7	410	360	385.0	9.27	6.70	1220	3600	2410	134	79.76	89.01	94.36	0.674169	0.027039
8	405	360	382.5	9.30	6.80	1300	3680	2590	152	79.37	88.41	94.10	0.673085	0.027283
9	410	360	385.0	9.95	6.65	1310	3220	2265	197	76.21	85.09	91.32	0.691483	0.027638
10	410	360	385.0	10.00	6.65	1240	3100	2170	183	75.83	85.50	91.61	0.691483	0.027589
11	415	360	387.5	9.80	6.50	1140	2820	1980	164	76.89	85.74	91.73	0.687078	0.027128
12														
13														
14	415	355	385.0	9.82	6.40	1055	2500	1778	143	75.55	86.44	91.85	0.676507	0.026770
15	415	355	385.0	9.92	6.40	1080	2600	1830	146	74.79	85.34	91.99	0.676507	0.026811
16	415	355	385.0	9.76	6.32	1125	2700	1913	155	75.06	86.34	91.86	0.668051	0.026521
17	415	355	385.0	9.79	6.37	1195	2810	2003	157	75.43	86.86	92.10	0.673336	0.026783
18	420	360	390.0	9.67	6.23	1230	2820	2025	152	75.92	87.75	92.46	0.669443	0.026303
19														
20														
21	420	360	390.0	9.49	6.10	1130	2680	1905	157	78.28	86.22	91.72	0.677363	0.026556
22	410	345	377.5	9.30	6.00	1080	2550	1815	157	77.29	85.59	91.37	0.655405	0.026521
23	410	345	377.5	9.45	6.10	1110	2700	1905	160	77.33	85.71	91.56	0.666329	0.027013
24	410	345	377.5	9.40	6.10	1160	2750	1955	164	77.74	85.98	91.58	0.666329	0.027043
25														
26														
27														
28	410	340	375.0	9.36	5.95	1100	2600	1850	158	74.75	85.76	91.42	0.639356	0.026058
29	415	350	382.5	9.20	5.80	1130	2550	1840	160	78.04	85.96	91.27	0.654715	0.026159
30	410	345	377.5	9.10	6.10	1190	2680	2035	206	80.30	82.84	89.83	0.666329	0.027066
31	420	355	387.5	9.00	6.10	1240	3100	2170	197	82.54	84.25	90.88	0.677303	0.026979

RUN NO. 240 — PRINTED JAN 21, 1971 — DECEMBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JANUARY, 1971

DU PONT UNIT

JAN	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION RECVRY	TOTAL	FLUX AVE. GMS/SM*SEC	A VALUE G/SM*SEC*A
1													
2													
3													
4	410	345	377.5	8.98	5.97	950	2350	1650	163	83.66	82.90	90.06	0.685005	0.027625
5	415	350	382.5	8.93	5.88	1050	2530	1790	177	84.24	83.14	90.05	0.685911	0.027376
6	415	350	382.5	8.85	5.80	1055	2550	1803	176	83.94	83.31	90.11	0.676579	0.027014
7	400	340	370.0	8.53	5.62	1125	2710	1918	190	82.91	83.11	90.03	0.644902	0.026715
8	395	330	362.5	7.70	5.45	1235	2600	2018	207	89.07	83.38	89.70	0.623394	0.026320
9														
10														
11	400	350	375.0	7.85	5.55	1055	2950	2003	166	88.97	84.21	91.62	0.636869	0.026094
12	405	350	377.5	7.84	5.62	1190	3330	2260	187	88.74	84.20	91.67	0.634396	0.025945
13	405	355	380.0	7.72	5.45	1190	3260	2225	183	88.84	84.62	91.77	0.625394	0.025401
14	405	350	377.5	7.80	5.55	1160	3200	2180	176	88.09	84.82	91.87	0.620495	0.025575
15	410	355	382.5	7.76	5.55	1140	3110	2125	171	89.77	85.00	91.90	0.636869	0.025624
16														
17														
18	400	345	372.5	7.82	5.73	1210	3600	2405	179	84.94	85.20	92.50	0.605686	0.025166
19	405	345	375.0	7.76	5.77	1260	3760	2510	180	84.79	85.84	92.79	0.599978	0.024810
20	405	350	377.5	8.41	6.00	1310	3690	2500	200	80.03	84.73	91.94	0.613731	0.025167
21	405	350	377.5	8.35	5.92	1230	3400	2315	182	80.85	85.33	92.10	0.615576	0.025156
22	407	350	378.5	8.32	5.80	1260	3460	2370	185	80.81	85.54	92.14	0.613065	0.025020
23														
24														
25	415	355	385.0	8.27	5.60	1125	2930	2028	154	82.46	86.31	92.35	0.621841	0.024780
26	392	330	361.0	8.17	5.60	1300	3340	2320	187	78.16	85.74	91.90	0.582301	0.024934
27	400	335	367.5	8.22	5.57	1270	3240	2255	185	78.55	85.43	91.74	0.586773	0.024722
28	400	335	367.5	8.24	5.55	1260	3225	2243	184	78.06	85.52	91.81	0.586659	0.024627
29	395	335	365.0	8.26	5.55	1255	3210	2233	182	76.82	85.49	91.79	0.577102	0.024385
30														
31														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — FEBRUARY, 1971

DU PONT UNIT

FEB	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION RECVRY	TOTAL	FLUX AVE. GMS/SM*SEC	A VALUE G/SM*SEC*A
1	400	340	370.0	8.17	5.45	1070	2650	1860	152	77.35	85.92	91.79	0.576088	0.024387
2	405	305	355.0	8.32	5.00	1130	2560	1845	159	68.53	85.94	91.27	0.519912	0.022414
3	425	310	367.5	8.26	4.90	1120	2500	1810	162	68.60	85.66	91.01	0.517931	0.021534
4	425	290	357.5	8.25	4.76	1230	2600	1915	170	68.20	85.17	91.01	0.513634	0.022034
5	420	320	370.0	8.61	5.23	1180	2650	1915	170	70.41	85.59	91.06	0.552833	0.022665
6														
7														
8	425	280	352.5	8.54	4.76	1045	2150	1598	134	64.61	87.29	91.63	0.503152	0.021741
9	425	280	352.5	8.59	4.67	1180	2350	1765	141	64.06	83.05	91.96	0.501814	0.021773
10	420	320	370.0	9.00	5.15	1225	2450	1838	163	67.43	86.81	91.15	0.553392	0.022859
11	410	255	332.5	8.40	4.87	1310	2770	2040	180	61.91	86.25	91.11	0.474195	0.021946
12	420	260	340.0	8.44	4.64	1340	2780	2060	197	62.69	85.29	90.37	0.482478	0.021867
13														
14														
15	400	265	332.5	8.18	4.87	1105	2290	1698	228	66.78	79.36	86.48	0.496145	0.022649
16	410	235	322.5	8.18	4.50	1180	2250	1715	233	61.71	80.43	86.45	0.463298	0.021811
17	390	285	337.5	8.64	5.15	1350	2680	2015	345	66.86	74.44	82.77	0.526765	0.023916
18														
19														
20														
21														
22	400	240	320.0	7.50	4.27	1150	2280	1715	245	67.09	78.86	85.67	0.458832	0.021930
23	405	270	337.5	7.59	4.30	1205	2400	1803	165	66.76	86.42	90.87	0.462035	0.020980
24	380	280	330.0	8.07	4.65	1420	2460	1840	223	64.64	81.72	87.80	0.472641	0.022470
25	380	280	330.0	8.02	4.52	1180	2350	1765	202	63.22	83.03	88.59	0.462344	0.021437
26	390	285	337.5	8.08	4.47	1265	2500	1883	195	64.13	84.72	89.67	0.472498	0.021490

RUN NO. 297 — PRINTED MAR 29, 1971 — FEBRUARY, 1971

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

MARCH, 1971

DU PONT UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE			
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
MAR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM²SEC	G/SM²SEC*A
1	430	250	340.0	7.50	4.17	1020	1960	1490	164	67.71	83.78	88.83	0.463049	0.020709
2	405	225	315.0	7.54	3.76	1130	1980	1555	190	62.06	83.47	87.85	0.426694	0.020699
3	400	368	384.0	8.48	6.20	1000	3140	2070	49	98.26	95.14	97.62	0.671742	0.026599
4	405	372	388.5	8.75	6.25	1030	3260	2145	63	94.43	93.61	97.01	0.666128	0.026459
5	405	371	388.0	8.85	6.20	1035	3300	2168	58	92.62	94.39	97.30	0.660799	0.026316
6														
7														
8	400	365	382.5	8.90	6.10	1055	3000	2028	82	87.66	92.22	95.92	0.629132	0.025308
9	410	374	392.0	8.86	6.07	1065	3050	2058	92	86.02	91.43	95.50	0.615839	0.024149
10	420	383	401.5	8.94	5.92	1025	2630	1928	69	87.54	93.32	96.40	0.630956	0.024097
11	410	372	391.0	9.05	6.20	1250	3700	2475	157	78.12	87.55	93.62	0.569997	0.022536
12	440	401	420.5	9.00	5.95	1200	3290	2245	142	77.91	88.27	93.69	0.565280	0.020834
13														
14														
15	400	360	380.0	7.52	4.50	1255	2690	2073	172	70.52	86.29	91.64	0.427523	0.017269
16	400	359	379.5	7.31	4.57	1245	3025	2135	168	70.13	86.50	92.07	0.413299	0.016722
17	400	358	379.0	7.20	4.62	1360	3330	2345	191	69.65	85.95	91.80	0.404319	0.016431
18	405	360	382.5	7.70	4.70	1230	3000	2115	152	66.26	87.75	92.78	0.411320	0.016486
19	440	395	417.5	7.70	4.60	1230	2880	2055	146	68.12	88.13	92.84	0.422901	0.015475
20														
21														
22	405	367	386.0	6.98	3.98	1140	2510	1825	90	66.10	92.10	95.03	0.371980	0.014717
23	400	365	382.5	6.96	4.28	1300	3150	2225	165	65.66	87.42	92.60	0.368462	0.014794
24	410	378	394.0	6.89	4.07	1350	3110	2230	148	64.12	89.13	93.38	0.356186	0.013882
25	415	382	398.5	6.98	4.15	1310	3020	2165	165	65.61	87.52	92.40	0.369201	0.014206
26	420	388	404.0	8.28	4.13	1310	2450	1880	132	55.04	90.01	92.95	0.367422	0.013851
27														
28														
29	420	387	403.5	8.05	4.27	1075	2050	1563	104	58.53	90.32	93.30	0.379877	0.014249
30	415	380	397.5	7.99	4.24	1200	2350	1775	131	57.60	89.08	92.57	0.371063	0.014192
31	415	385	400.0	7.84	4.19	1215	2235	1725	120	58.97	90.12	92.95	0.372760	0.014159

MARCH, 1971

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

APRIL, 1971

DU PONT UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE			
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
APR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM²SEC	G/SM²SEC*A
1	414	375	394.5	7.46	4.00	1225	2530	1878	163	60.15	86.73	90.94	0.361749	0.013954
2	410	370	390.0	7.61	4.10	1330	2490	1910	139	56.57	89.64	92.70	0.347216	0.013373
3	413	378	396.5	7.69	4.08	1245	2383	1803	150	54.82	89.08	91.65	0.339894	0.013023
4														
5	417	377	397.0	7.34	3.80	1380	1970	1525	142	56.20	88.83	90.63	0.336536	0.012886
6	408	370	389.0	6.59	3.92	1270	2810	1940	225	62.48	82.20	88.32	0.331972	0.012990
7	385	350	367.5	6.67	3.76	1335	2864	1998	159	61.19	89.08	91.99	0.338240	0.014097
8	395	358	376.5	6.66	3.73	1265	2555	1910	134	60.74	89.21	92.72	0.333511	0.013019
9	400	358	379.0	6.58	3.73	1175	2360	1768	134	61.52	89.80	92.46	0.333511	0.013488
10														
11														
12	420	370	395.0	6.86	3.78	1360	2680	2020	149	56.01	89.04	92.57	0.318389	0.012499
13	400	355	377.5	6.92	3.66	1400	2725	2063	144	55.50	89.43	92.75	0.318576	0.012531
14	413	374	393.5	6.56	3.64	1300	2610	1955	126	59.23	90.66	93.59	0.322032	0.012501
15														
16														
17														
18														
19	396	340	369.0	6.01	3.18	1280	2080	1680	265	57.44	79.29	84.13	0.280039	0.011754
20	404	350	377.0	6.04	3.16	1195	2140	1668	198	56.79	83.43	88.05	0.284240	0.011443
21	403	350	377.0	5.31	2.90	1180	2490	1735	165	60.26	86.01	90.37	0.265173	0.010688
22	413	364	387.5	5.74	3.03	1180	2200	1690	175	59.66	85.30	89.61	0.283507	0.011106
23	413	364	389.5	5.79	3.03	1265	2340	1803	210	57.75	83.39	88.27	0.277000	0.010813
24														
25														
26	325	272	298.5	4.39	2.15	1145	1875	1510	212	54.94	81.46	85.76	0.199849	0.010207
27	413	388	390.5	5.74	3.04	1385	2580	1983	207	58.44	83.05	89.49	0.277974	0.010863
28	423	375	400.0	5.82	3.00	1420	2300	1790	161	56.98	86.80	91.00	0.274317	0.010428
29	393	343	369.0	5.64	3.05	1300	2440	1870	217	57.01	83.49	88.30	0.263460	0.010064
30	413	356	385.5	5.72	3.04	1225	2300	1763	183	58.20	84.89	89.43	0.276145	0.010489

RUN NO. 329 PRINTED MAY 26, 1971

APRIL, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1971

DU PONT UNIT

	UNCORRECTED RAW DATA										INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION			FLUX	A VALUE
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.		GMS/SM*SEC	G/SM*SEC*A
1															
2															
3	404	348	376.0	5.74	2.71	1280	2000	1640	370	52.10	71.09	77.31		0.247799	0.009960
4	390	339	364.5	5.79	2.70	1240	1980	1610	256	49.79	79.35	84.00		0.238907	0.009929
5	325	267	296.0	4.87	2.02	1460	2360	1910	240	45.02	83.40	87.31		0.181698	0.009462
6	416	374	395.0	5.34	2.82	1210	2080	1645	310	58.27	74.38	80.93		0.257858	0.009863
7	396	368	382.0	4.97	2.61	1225	2085	1655	370	57.00	70.34	77.66		0.234768	0.009286
8															
9															
10	463	344	403.5	4.99	2.48	1130	1880	1505	291	53.07	74.48	80.61		0.219440	0.008187
11	410	354	382.0	5.24	2.77	1253	2130	1692	334	53.73	73.34	80.13		0.233317	0.009228
12	426	361	393.5	5.20	2.65	1155	2000	1578	237	53.53	79.48	84.97		0.230663	0.008853
13	426	358	392.0	5.25	2.71	1380	2445	1913	282	51.61	79.56	85.16		0.224545	0.008696
14	437	372	404.5	5.24	2.60	1430	2450	1940	305	52.98	78.87	84.33		0.230059	0.008640
15															
16															
17															
18	380	325	352.5	5.40	1.68	1360	1885	1623	282	33.22	79.26	82.52		0.153833	0.006614
19	405	329	367.0	3.70	1.77	1315	2160	1738	400	50.25	69.86	76.92		0.159434	0.006575
20	446	389	417.5	4.66	2.14	1310	2160	1735	296	48.24	77.40	82.73		0.192762	0.006974
21	420	387	403.5	3.88	2.00	1250	2160	1705	300	55.95	76.22	82.46		0.186168	0.006977
22															
23															
24	427	347	387.0	4.37	1.75	1170	1665	1418	366	41.38	68.41	74.07		0.155065	0.006014
25	417	350	383.5	5.00	2.02	1295	1890	1593	413	39.09	68.42	74.17		0.167608	0.006575
26	435	356	395.5	4.90	1.90	1275	1800	1538	440	38.77	65.14	71.26		0.162916	0.006183
27	454	364	409.0	4.93	1.77	1285	1725	1505	441	38.34	65.68	70.53		0.162074	0.005945
28	415	345	380.0	5.09	1.64	1220	1635	1428	397	34.40	67.45	71.89		0.150171	0.005935

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1971

DU PONT UNIT

	UNCORRECTED RAW DATA										INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION			FLUX	A VALUE
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.		GMS/SM*SEC	G/SM*SEC*A
1	435	325	380.0	3.55	1.52	1210	1700	1455	515	44.97	57.83	64.74		0.136915	0.005399
2	375	222	298.5	7.85	1.27	1235	1425	1330	410	16.99	66.80	69.01		0.114396	0.005774
3	410	236	323.0	8.15	1.39	1320	1500	1410	380	18.21	71.21	72.91		0.127279	0.005940
4	435	305	370.0	8.09	1.76	1280	1580	1430	370	22.48	71.09	73.98		0.155951	0.006334
5															
6															
7															
8															
9															
10															
11															
12															
13															
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RUN NO. 356 — PRINTED JUL 27, 1971 — JUNE, 1971

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

MARCH, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
MAR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4														
5														
6														
7														
8														
9	500	485	492.5	10.16	5.20	1020	1940	1480	120	49.52	88.68	92.00	3.796916	0.115741
10	555	540	547.5	10.16	5.30	1160	2420	1790	130	51.31	89.21	92.82	3.934019	0.108138
11	555	540	547.5	10.16	5.20	1170	2120	1645	107	47.92	91.20	93.58	3.674220	0.100744
12	565	550	557.5	10.26	5.15	1030	1950	1490	101	47.00	90.57	93.31	3.638891	0.097735
13	580	565	572.5	10.36	4.95	1000	1800	1400	72	44.01	93.28	94.95	3.440599	0.089838
14	580	565	572.5	10.16	4.85	910	1550	1230	82	48.52	93.56	95.06	3.720216	0.097026
15														
16	600	585	592.5	10.36	4.60	1020	1720	1370	130	45.13	87.95	90.71	3.528452	0.088960
17	575	560	567.5	10.16	4.35	1140	1900	1520	135	43.52	88.80	9..30	3.336689	0.08810e
18	530	515	522.5	10.06	6.20	1120	2780	1950	117	59.63	90.13	94.10	4.527093	0.130892
19	550	535	542.5	10.16	6.10	1190	2800	1995	130	61.03	89.77	93.61	4.679036	0.130306
20	550	535	542.5	10.36	5.95	975	2700	1838	130	58.36	87.39	93.03	4.563977	0.126806
21														
22														
23	565	550	557.5	10.30	5.60	930	1800	1365	91	52.61	91.02	93.53	4.08[illegible]87	0.109698
24	580	565	572.5	10.41	5.50	1290	3000	2145	124	50.29	90.93	94.32	3.950548	0.104238
25	590	575	582.5	10.50	5.35	1250	2420	1835	120	50.12	90.84	93.56	3.971134	0.102535
26	610	595	602.5	10.45	5.00	1220	2300	1760	135	47.06	89.45	92.45	3.711339	0.092456
27	610	595	602.5	10.50	5.00	1210	2200	1705	160	45.32	87.64	90.84	3.591408	0.089349
28														
29														
30	600	585	592.5	10.50	4.55	920	1660	1290	90	39.91	90.69	93.14	3.162570	0.079616
31	600	585	592.5	10.30	4.70	1100	1950	1525	87	47.15	92.51	94.41	3.664859	0.092692

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

APRIL, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
APR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	620	600	610.0	10.00	4.90	1110	2120	1615	91	50.63	92.31	94.49	3.820812	0.093927
2	615	595	605.0	10.05	5.10	1060	1980	1520	92	52.44	91.76	94.06	3.976763	0.098445
3	615	595	605.0	10.10	5.10	1140	2220	1680	97	52.18	91.95	94.33	3.976763	0.098661
4														
5														
6	625	610	617.5	10.05	4.80	1050	1900	1475	86	48.55	92.25	94.28	3.681863	0.089200
7	605	590	597.5	10.10	4.65	1170	1810	1490	83	46.80	93.29	94.55	3.566805	0.089388
8	615	605	610.0	10.00	4.80	1250	2200	1725	100	48.00	92.50	94.34	3.621887	0.089126
9	610	600	605.0	10.00	5.80	1180	2460	1820	93	58.00	92.55	94.98	4.376446	0.108747
10	610	605	607.5	10.10	5.80	1220	2680	1950	98	57.42	92.33	95.04	4.376446	0.108466
11														
12														
13	620	610	615.0	9.80	5.95	1020	2540	1780	92	60.71	91.47	94.91	4.489630	0.109636
14	615	605	610.0	9.90	5.65	1090	2560	1825	92	66.16	91.55	94.95	4.942407	0.123879
15	610	600	605.0	10.20	5.95	1020	1980	1500	88	59.29	91.84	94.24	4.563977	0.112934
16	610	600	605.0	10.10	5.85	975	1840	1408	76	58.87	92.43	94.56	4.487272	0.110906
17	615	605	610.0	10.15	5.80	1100	2540	1820	86	60.02	92.60	95.35	4.597466	0.113365
18														
19	600	590	595.0	10.40	5.80	1080	2200	1640	87	54.86	92.39	94.79	4.305153	0.108527
20														
21	605	590	597.5	10.05	5.60	1050	1900	1475	81	57.58	92.63	94.59	4.366642	0.109421
22	605	590	597.5	10.00	5.60	1240	2700	1970	96	58.82	92.67	95.21	4.438952	0.112034
23	605	595	600.0	10.30	5.75	1120	2500	1810	92	56.74	92.23	95.00	4.410567	0.110539
24	600	590	595.0	10.40	6.00	1200	2700	1950	97	56.75	92.36	95.11	4.453607	0.112740
25														
26														
27	615	605	610.0	10.35	5.60	1100	2500	1800	84	56.83	92.77	95.41	4.436952	0.109423
28	600	590	595.0	9.70	5.60	1280	3020	2150	103	59.65	92.38	95.28	4.366642	0.110931
29	605	595	600.0	9.40	5.65	1080	2580	1830	92	62.11	91.94	95.05	4.405829	0.110472
30	605	595	600.0	9.30	5.65	1300	3120	2210	110	60.75	92.00	95.10	4.263202	0.107396

RUN NO. 244 PRINTED JAN 22, 1971

APRIL, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	600	590	595.0	9.70	5.90	1250	2920	2085	110	56.95	91.53	94.85	4.168828	0.105678
2														
3														
4	605	590	597.5	9.65	5.85	1160	2760	1960	97	56.76	92.12	95.27	4.133498	0.104173
5	615	600	607.5	9.55	5.65	1300	3020	2160	96	59.16	92.88	95.54	4.263262	0.105947
6	600	590	595.0	9.90	5.75	1350	3200	2275	94	61.52	93.29	95.83	4.410567	0.112171
7	610	600	605.0	9.25	5.55	1240	2980	2110	90	63.03	93.00	95.72	4.399317	0.109814
8	605	595	600.0	9.25	5.75	1280	3400	2340	104	61.14	92.25	95.61	4.268040	0.107677
9														
10														
11	600	585	592.5	9.55	5.55	1130	2600	1865	88	58.11	92.50	95.27	4.187807	0.106353
12	605	595	600.0	9.45	5.65	1180	2760	1970	94	59.78	92.32	95.21	4.263262	0.107029
13	605	595	600.0	9.45	5.65	1260	2900	2080	96	58.81	92.66	95.40	4.193813	0.105437
14	600	585	592.5	9.65	5.80	1270	2840	2055	91	59.12	93.10	95.59	4.309153	0.109614
15														
16														
17														
18														
19														
20	550	535	542.5	9.30	5.90	1300	3420	2360	107	58.43	92.08	95.61	4.100915	0.114797
21	600	595	597.5	9.40	6.15	1250	3440	2345	100	63.31	92.30	95.77	4.490585	0.113784
22	605	595	600.0	9.60	6.00	1300	3360	2330	102	60.48	92.44	95.66	4.381057	0.110507
23														
24														
25	615	605	610.0	9.70	5.85	1130	2720	1925	87	57.40	92.59	95.56	4.201948	0.103641
26	605	600	602.5	9.55	5.95	1160	2840	2000	82	60.29	93.19	95.94	4.344548	0.108652
27	600	595	597.5	9.40	5.85	1240	3200	2220	95	5..24	92.63	95.79	4.201948	0.106286
28	600	595	597.5	9.60	5.80	1170	2900	2035	91	58.46	92.51	95.57	4.235022	0.106862
29	610	605	607.5	9.55	5.85	1250	3100	2175	91	57.36	92.99	95.92	4.133498	0.102719
30	610	605	607.5	9.50	5.80	1300	3200	7250	83	57.17	93.86	96.40	4.098168	0.101956
31														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	615	610	612.5	9.60	5.90	1310	3200	2255	83	61.41	94.03	96.38	4.448918	0.109639
2	610	605	607.5	9.65	6.00	1400	3780	2590	89	62.17	94.01	96.62	4.527359	0.112962
3	610	600	605.0	9.70	6.20	1420	3700	2560	93	64.23	93.78	96.42	3.969683	0.099286
4	615	610	612.5	9.60	6.00	1400	3640	2520	88	64.80	93.96	96.54	3.969915	0.098114
5														
6	605	600	602.5	9.65	5.75	1300	3240	2270	84	64.88	93.85	96.40	3.996695	0.100257
7														
8	595	590	592.5	9.50	5.70	1220	2980	2100	82	66.26	93.53	96.22	3.981902	0.100920
9	605	600	602.5	9.50	5.85	1300	3300	2300	90	66.72	93.34	96.13	4.066162	0.102010
10	615	610	612.5	9.45	5.75	1380	3340	2360	82	68.88	94.39	96.63	4.198513	0.103750
11	610	605	607.5	9.30	5.80	1420	3560	2490	94	66.51	93.70	96.29	3.989736	0.098819
12	615	610	612.5	9.20	5.70	1350	3180	2265	83	68.97	94.14	96.48	4.094205	0.101074
13														
14														
15	620	610	615.0	9.20	5.60	1240	2900	2070	82	67.94	93.69	96.22	4.022377	0.098668
16	605	600	602.5	9.30	5.70	1310	3180	2245	83	66.12	93.90	96.39	4.027510	0.101048
17	600	600	600.0	7.40	5.50	1400	5320	3360	115	64.11	92.18	96.81	3.579808	0.091692
18	605	605	605.0	8.65	6.00	1410	4720	3065	106	66.95	92.93	96.67	3.717487	0.093717
19	610	610	610.0	8.65	5.95	1420	4350	2885	112	67.41	92.50	96.25	3.747556	0.093472
20														
21														
22	600	595	597.5	8.65	5.80	1290	3570	2430	97	65.96	92.77	96.16	3.653079	0.092619
23	615	610	612.5	9.10	5.95	1480	3940	2460	97	64.57	93.77	96.43	3.747556	0.092776
24	605	605	605.0	8.85	6.05	1400	4200	2800	103	66.13	93.01	96.42	3.748466	0.094140
25	605	605	605.0	8.90	6.15	1530	4950	3240	112	66.74	93.13	96.65	3.810423	0.096121
26	605	600	602.5	8.90	6.15	1490	4560	3005	105	65.81	93.13	96.60	3.748352	0.094643
27														
28														
29	610	605	607.5	8.80	5.90	1210	3660	2435	95	67.83	92.61	96.24	3.840157	0.095651
30														

RUN NO. 92 — PRINTED SEP 8, 1970 — JUNE, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JULY, 1970

GULF GENERAL ATOMIC UNIT

JUL	PRESSURE,PSI FEED	PRESSURE,PSI BRINE	PRESSURE,PSI AVE.	FLOW,GPM FEED	FLOW,GPM PROD	CONDUCTIVITY FEED	CONDUCTIVITY BRINE	CONDUCTIVITY AVE.	CONDUCTIVITY PROD	PCT. RCVRY	REJECTION TOTAL	REJECTION AVE.	FLUX GMS/SM*SEC	A VALUE G/SM*SEC*A
1	590	590	590.0	8.55	6.15	1610	5400	3505	125	96.22	92.72	96.57	3.627224	0.094176
2	595	590	592.5	8.55	6.15	1550	5640	3595	115	97.15	93.05	96.87	3.687291	0.095313
3	595	595	595.0	8.55	6.05	1500	5120	3310	107	98.10	93.16	96.85	3.748466	0.096325
4														
5														
6	595	595	595.0	8.50	6.00	1400	4530	2965	97	97.01	93.43	96.84	3.656929	0.093968
7	595	590	592.5	9.00	6.15	1430	4760	3095	97	95.19	93.64	96.96	3.748352	0.096428
8	600	600	600.0	9.35	6.30	1490	4800	3145	116	91.80	92.71	96.57	3.655165	0.092923
9	600	600	600.0	9.25	6.15	1430	4520	2975	103	94.59	93.16	96.63	3.810423	0.096667
10	600	595	597.5	9.30	6.20	1430	4490	2955	100	93.04	93.37	96.71	3.778826	0.096135
11														
12														
13	595	590	592.5	8.60	6.15	1320	4690	3000	102	96.82	92.67	96.69	3.687291	0.094763
14														
15	585	585	585.0	8.30	6.10	1630	6200	3915	145	98.39	91.48	96.39	3.657313	0.096276
16	605	600	602.5	8.60	6.20	1550	5050	3300	122	97.28	92.63	96.36	3.717269	0.094050
17	590	590	590.0	8.60	6.30	1570	5500	3535	142	95.40	91.45	96.29	3.595623	0.093407
18														
19														
20	595	590	592.5	8.95	6.15	1410	4180	2795	116	93.71	92.21	95.87	3.627224	0.092780
21	590	585	587.5	9.05	6.15	1410	4200	2805	106	93.11	92.88	96.27	3.627224	0.093645
22	585	580	582.5	8.95	6.10	1525	4110	2818	127	93.27	92.03	95.51	3.597736	0.093665
23	605	600	602.5	8.90	6.05	1430	4640	3035	115	95.61	92.45	96.41	3.748466	0.094805
24	600	595	597.5	8.85	6.30	1340	4520	2930	112	94.73	91.91	96.36	3.655165	0.093026
25														
26														
27	610	605	607.5	8.75	6.10	1360	4520	2940	135	96.31	90.59	95.64	3.717978	0.093033
28	610	605	607.5	8.70	6.00	1400	4520	2960	105	96.62	92.88	96.63	3.717487	0.093166
29	600	595	597.5	8.75	6.25	1550	5040	3295	132	94.02	91.94	96.27	3.567085	0.091189
30	605	605	605.0	8.80	6.20	1600	5760	3680	142	95.06	91.50	96.33	3.656715	0.092722
31	600	595	597.5	8.75	6.20	1500	5080	3290	125	93.99	92.11	96.43	3.538548	0.090430

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — AUGUST, 1970

GULF GENERAL ATOMIC UNIT

AUG	PRESSURE,PSI FEED	PRESSURE,PSI BRINE	PRESSURE,PSI AVE.	FLOW,GPM FEED	FLOW,GPM PROD	CONDUCTIVITY FEED	CONDUCTIVITY BRINE	CONDUCTIVITY AVE.	CONDUCTIVITY PROD	PCT. RCVRY	REJECTION TOTAL	REJECTION AVE.	FLUX GMS/SM*SEC	A VALUE G/SM*SEC*A
1														
2														
3	600	595	597.5	9.00	6.20	1280	4200	2740	118	52.96	91.28	95.96	3.597146	0.091299
4	600	595	597.5	8.80	6.10	1520	4960	3240	113	54.18	93.04	96.73	3.597736	0.091946
5	590	585	587.5	8.75	6.30	1600	5680	3640	142	54.45	91.60	96.31	3.595623	0.093885
6	580	575	577.5	8.50	6.15	1450	5240	3345	125	56.55	91.92	96.47	3.627224	0.096128
7	590	585	587.5	8.65	6.10	1420	4880	3150	123	56.03	91.79	96.33	3.657313	0.095072
8														
9														
10	605	595	600.0	9.45	6.20	1320	3880	2600	112	52.99	91.15	95.94	3.778826	0.095464
11	590	585	587.5	8.65	6.30	1480	5360	3420	155	55.08	90.20	95.71	3.595623	0.093963
12	595	590	592.5	9.45	6.05	1570	5680	3625	150	56.89	91.04	96.09	3.627335	0.093951
13	590	590	590.0	8.39	6.00	1460	5640	3550	187	62.70	88.00	95.15	3.969915	0.103204
14	590	585	587.5	8.30	5.95	1450	5000	3225	145	56.03	90.63	95.85	3.509266	0.091323
15														
16														
17	595	590	592.5	8.35	5.95	1340	4320	2830	136	55.69	90.39	95.55	3.509266	0.090048
18	590	585	587.5	8.35	6.00	1500	5280	3390	175	54.35	88.97	95.16	3.424402	0.089085
19	605	600	602.5	8.70	6.10	1450	4800	3125	148	53.03	90.35	95.59	3.481476	0.087991
20	615	610	612.5	8.75	5.95	1320	4160	2740	135	54.03	90.31	95.33	3.567378	0.088274
21	615	610	612.5	8.75	5.95	1540	4680	3110	152	54.03	90.54	95.46	3.567378	0.088772
22														
23														
24	620	615	617.5	8.90	5.95	1280	4000	2640	107	52.25	92.08	96.22	3.509266	0.086077
25	625	620	622.5	9.05	5.95	1550	4800	3175	130	51.38	92.06	96.12	3.509266	0.085823
26														
27	595	595	595.0	9.30	6.30	1410	4760	3085	125	52.08	91.68	96.23	3.655165	0.093605
28	600	595	597.5	9.25	6.20	1370	4400	2885	117	52.39	91.91	96.22	3.656715	0.093079
29														
30														
31	610	605	607.5	9.40	6.45	1310	4320	2815	123	51.90	91.22	95.94	3.681232	0.091927

RUN NO. 104 PRINTED SEP 14, 1970 — AUGUST, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — SEPTEMBER, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY			PCT.	REJECTION		FLUX	A VALUE	
SEP	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	615	610	612.5	9.25	6.15	1350	3890	2615	110	53.70	92.35	96.14	3.748352	0.092800
2	615	610	612.5	9.35	6.20	1360	3900	2630	112	52.68	92.19	95.73	3.717269	0.091747
3	610	605	607.5	9.00	5.95	1360	3820	2590	118	55.18	91.84	95.48	3.747556	0.093353
4	610	605	607.5	9.00	5.90	1340	3750	2545	106	55.62	92.64	95.98	3.777600	0.094071
5														
6														
7														
8	600	595	597.5	8.65	5.85	1290	3700	2495	114	55.53	91.88	95.53	3.624549	0.091690
9	600	595	597.5	9.75	6.00	1430	4400	2915	130	53.59	91.49	95.57	3.538756	0.089823
10	595	590	592.5	9.55	5.85	1490	4420	2955	139	55.26	91.25	95.37	3.565506	0.091160
11	600	595	597.5	8.45	6.15	1370	4600	2985	132	57.83	91.06	95.61	3.687291	0.093746
12														
13														
14	600	595	597.5	8.10	5.85	1150	3750	2450	108	62.29	91.17	95.58	3.807613	0.096327
15	585	580	582.5	7.65	5.70	1390	4980	3185	136	62.19	90.80	95.71	3.590096	0.094095
16	600	595	597.5	7.85	5.70	1380	4600	2990	130	61.61	91.05	95.70	3.649547	0.092987
17	600	595	597.5	7.90	5.70	1360	4180	2770	128	59.24	91.24	95.46	3.581612	0.089715
18	615	610	612.5	8.35	5.95	1310	4180	2745	118	59.47	91.62	95.74	3.747556	0.092748
19														
20														
21	620	615	617.5	8.25	5.80	1150	3450	2300	96	61.64	92.14	95.65	3.837565	0.093770
22	622	618	620.0	8.30	5.80	1450	4260	2855	138	59.29	90.95	95.19	3.713573	0.090911
23	625	615	620.0	8.40	5.80	1390	4180	2785	128	59.55	91.34	95.44	3.775069	0.092323
24	625	615	620.0	8.40	5.80	1300	3870	2585	112	59.55	91.81	95.65	3.775069	0.092141
25	615	610	612.5	8.40	5.90	1320	4000	2660	116	60.58	91.73	95.67	3.840157	0.094958
26														
27														
28	600	590	595.0	8.25	5.85	1290	4000	2645	132	61.16	90.28	95.03	3.807613	0.096975
29														
30														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — OCTOBER, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY			PCT.	REJECTION		FLUX	A VALUE	
OCT	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4														
5														
6														
7														
8	593	587	590.0	8.45	6.05	1380	4300	2840	158	63.82	89.23	94.52	4.069287	0.104856
9	600	590	595.0	8.67	5.85	1260	3600	2430	137	60.14	89.77	94.45	3.934765	0.099998
10														
11														
12	600	595	597.5	8.90	5.80	1300	3420	2360	144	57.14	89.47	93.89	3.837585	0.096960
13	595	590	592.5	8.90	5.65	1350	3450	2400	128	56.58	91.08	94.72	3.800243	0.096953
14	605	600	602.5	8.00	5.75	1370	4400	2885	143	61.99	90.08	95.06	3.742527	0.094366
15	600	595	597.5	7.90	5.65	1295	4100	2698	131	63.75	90.47	95.17	3.800243	0.096544
16	595	595	595.0	8.00	5.75	1270	3950	2610	140	64.06	89.62	94.71	3.867503	0.098547
17														
18														
19	605	600	602.5	7.85	5.50	1400	4100	2750	141	59.45	90.53	94.91	3.521492	0.088654
20	615	610	612.5	8.00	5.45	1410	4075	2743	131	59.73	91.25	95.22	3.606007	0.089292
21	595	595	595.0	7.95	5.50	1470	4200	2835	162	60.66	89.63	94.33	3.639089	0.092921
22	605	602	603.5	8.10	5.45	1300	3600	2450	146	59.97	89.42	94.04	3.665722	0.091608
23	612	607	609.5	8.15	5.40	1220	3275	2248	124	61.03	90.41	94.53	3.753380	0.092937
24														
25														
26	615	610	612.5	8.15	5.20	1140	2900	2020	117	58.77	90.32	94.26	3.614367	0.088789
27	620	612	616.0	8.10	5.15	1260	3175	2218	124	58.56	90.72	94.42	3.579613	0.087599
28	625	620	622.5	8.08	5.00	1250	3150	2200	122	57.94	90.79	94.46	3.532903	0.085558
29	610	605	607.5	7.97	5.05	1220	3125	2173	126	59.33	90.26	94.25	3.568233	0.088563
30	612	605	608.5	7.95	5.00	1440	3500	2470	184	56.06	88.09	92.65	3.363047	0.083529
31														

RUN NO. 183 — PRINTED NOV 28, 1970 — OCTOBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — NOVEMBER, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
NOV	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2	600	595	597.5	7.95	4.95	1250	3050	2150	152	53.70	88.68	93.07	3.221827	0.081203
3	610	595	602.5	7.75	4.75	1270	3050	2160	126	56.45	90.74	94.32	3.301564	0.082628
4	600	595	597.5	7.75	4.75	1345	3275	2310	149	55.53	89.35	93.48	3.247801	0.082074
5	610	605	607.5	7.83	4.65	1240	2950	2095	131	55.61	89.93	93.75	3.285600	0.081460
6	610	605	607.5	7.65	4.90	1360	3490	2425	163	58.04	88.82	93.41	3.350364	0.083371
7														
8														
9	615	605	610.0	7.59	4.80	1294	3000	2147	151	56.37	89.01	92.99	3.228525	0.079666
10	615	605	610.0	7.65	4.80	1270	3250	2260	132	55.01	90.12	94.20	3.175932	0.078506
11	617	612	614.5	7.49	4.60	1260	3100	2180	120	56.57	90.92	94.53	3.197323	0.078459
12	605	600	602.5	7.85	4.60	1250	3050	2150	140	50.54	89.23	93.47	2.994021	0.074862
13	610	605	607.5	8.05	4.35	1155	2495	1825	129	50.60	89.46	93.11	3.073626	0.075964
14														
15														
16														
17	590	580	585.0	7.80	4.75	1330	3350	2340	158	54.28	88.58	93.22	3.194894	0.082529
18	590	585	587.5	7.55	4.55	1350	3300	2325	152	55.51	89.17	93.44	3.162570	0.081376
19	585	575	580.0	7.00	4.35	1340	3340	2340	155	57.24	88.87	93.35	3.023556	0.078672
20	585	580	582.5	7.05	4.35	1265	3150	2208	152	56.83	88.66	93.23	3.023556	0.078407
21														
22														
23	590	585	587.5	6.95	4.25	1225	2860	2043	161	59.17	87.47	92.17	3.103249	0.079575
24	595	590	592.5	7.35	4.50	1240	2640	1940	142	56.39	89.09	92.79	3.127817	0.079397
25	595	590	592.5	7.16	4.36	1265	3025	2145	148	56.09	88.86	93.15	3.030508	0.077118
26														
27	595	587	591.0	7.10	4.25	1070	2520	1795	122	56.98	89.23	93.27	3.052697	0.077584
28														
29														
30	585	580	582.5	7.05	4.25	1080	2600	1840	142	58.33	87.58	92.36	3.103249	0.080094

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — DECEMBER, 1970

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
DEC	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	585	582	583.5	7.15	4.30	1230	2920	2075	150	57.24	88.46	92.84	3.088611	0.079812
2	585	585	585.0	6.91	4.15	1230	2880	2055	152	57.17	88.33	92.68	2.980869	0.076802
3	590	585	587.5	6.94	4.10	1270	2880	2075	141	57.16	89.50	93.27	2.993742	0.076871
4	590	585	587.5	6.85	4.03	1255	2680	2068	157	57.87	88.17	92.48	2.991339	0.076784
5														
6														
7	605	597	601.0	7.45	4.10	1240	2750	1995	157	54.13	87.92	92.19	3.043297	0.076234
8	602	595	598.5	7.27	4.15	1320	2950	2135	149	55.23	89.33	93.09	3.030231	0.076376
9	610	605	607.5	7.10	4.05	1310	2830	2070	149	57.04	89.24	92.86	3.059967	0.075824
10	615	607	611.0	7.15	4.00	1230	2575	1903	149	56.67	89.54	92.26	3.068220	0.075524
11	600	595	597.5	7.25	4.05	1140	2600	1870	146	56.78	87.86	92.27	3.106573	0.076203
12														
13														
14	605	600	602.5	7.15	4.00	1055	2320	1688	126	57.81	88.80	92.63	3.119049	0.077677
15	612	605	608.5	7.15	4.00	1080	2420	1750	127	56.87	89.76	92.75	3.068220	0.075716
16	612	607	609.5	7.08	3.97	1125	2490	1808	122	57.94	89.73	93.36	3.093637	0.076345
17	612	605	608.5	6.99	3.92	1220	2630	1925	127	57.00	90.13	93.47	3.006855	0.074373
18	595	585	590.0	7.30	3.93	1210	2510	1860	136	56.55	89.26	92.70	3.115193	0.079462
19														
20														
21	595	585	590.0	7.08	3.87	1130	2350	1740	156	59.33	86.91	91.13	3.170073	0.080750
22	595	590	592.5	6.91	3.86	1080	2325	1703	125	59.65	89.33	92.73	3.110374	0.078864
23	595	590	592.5	6.92	3.87	1120	2425	1773	130	59.72	89.09	92.81	3.114633	0.079161
24	600	595	597.5	6.95	3.88	1160	2500	1830	153	58.64	87.50	91.73	3.075560	0.077423
25														
26														
27														
28	590	585	587.5	7.85	3.87	1130	2080	1605	150	51.76	87.31	90.69	3.067633	0.078300
29	600	595	597.5	8.01	3.77	1140	2075	1608	148	52.80	87.46	90.75	3.191264	0.080099
30	605	605	605.0	6.30	3.97	1220	3000	2110	186	65.12	85.44	91.24	3.093637	0.077167
31	615	615	615.0	6.45	4.00	1310	3150	2230	200	63.04	85.68	91.20	3.068220	0.075328

RUN NO. 240 — PRINTED JAN 21, 1971 — DECEMBER, 1970

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

JANUARY, 1971

GULF GENERAL ATOMIC UNIT

JAN	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM- FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION- RECVRY	TOTAL	FLUX AVE.	A VALUE GMD/SMOSEC	G/SMOSEC*A
1														
2														
3														
4	622	615	618.5	6.26	3.75	975	2455	1615	134	63.97	86.97	91.78	3.021738	0.073434
5	615	615	615.0	6.12	3.66	1060	2470	1765	143	65.27	87.24	91.97	3.011463	0.073646
6	610	605	607.5	6.06	3.83	1065	2475	1770	157	68.61	86.13	91.24	3.137308	0.077814
7	610	610	610.0	6.13	3.80	1180	2720	1950	172	69.01	85.30	91.29	2.914809	0.071983
8	620	615	617.5	6.33	3.83	1215	2675	1945	167	66.24	85.27	90.46	3.184279	0.077134
9														
10														
11	605	605	605.0	6.05	3.80	1080	2500	1790	147	67.07	87.34	91.94	3.066028	0.076093
12	608	608	608.0	6.13	3.80	1230	2670	2.50	184	66.19	87.23	92.05	3.062026	0.075941
13	612	607	609.5	6.50	3.50	1430	2950	1365	172	57.50	88.73	90.88	2.852258	0.069388
14	625	615	620.0	6.35	3.22	1430	2850	1790	150	53.26	87.49	91.09	2.952398	0.061613
15	635	625	630.0	6.23	2.95	1205	2180	1693	163	49.74	87.42	90.67	2.838378	0.059659
16														
17														
18	645	628	636.5	5.85	2.87	1260	2210	1735	155	49.05	89.14	91.08	2.1655e6	0.050989
19	625	616	621.5	5.97	3.37	1350	2460	2115	167	56.44	88.31	92.19	2.562806	0.061646
20	645	632	638.5	6.14	3.20	1360	2605	1983	220	50.43	86.57	88.94	2.330504	0.054933
21	612	602	607.0	5.65	2.78	1390	2330	1860	190	47.61	88.41	89.46	2.229890	0.052216
22	605	602	603.5	6.35	3.34	1330	2660	1995	184	52.59	88.94	90.90	2.522220	0.062647
23														
24														
25	605	605	605.0	6.85	3.25	1190	2190	1690	160	49.04	87.26	90.66	2.534212	0.062843
26	604	600	601.0	6.58	3.55	1330	2780	2.55	190	47.34	86.36	90.83	2.348866	0.058634
27	610	605	607.5	6.47	3.35	1360	2760	2.30	190	50.93	85.79	90.76	2.486547	0.061613
28														
29														
30														
31														

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

FEBRUARY, 1971

GULF GENERAL ATOMIC UNIT

FEB	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM- FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION- RECVRY	TOTAL	FLUX AVE.	A VALUE GMD/SMOSEC	G/SMOSEC*A
1														
2														
3														
4	495	495	495.0	10.85	8.25	1260	4080	2970	132	77.29	89.99	95.53	3.326204	0.197103
5	470	470	470.0	9.90	7.13	1190	3650	2420	125	68.55	89.90	94.82	3.121348	0.186705
6														
7														
8														
9														
10														
11														
12	500	500	500.0	9.49	7.03	1500	5550	3525	141	64.95	91.13	95.96	4.051417	0.144192
13														
14														
15	475	455	465.0	9.60	4.70	1070	2080	1385	93	50.59	91.69	94.07	3.864839	0.118639
16	415	412	413.5	9.23	5.45	1150	2080	1405	112	59.04	90.87	94.19	4.112332	0.151423
17	435	432	433.5	9.02	4.80	1360	2780	2.70	113	53.21	92.14	94.80	3.821827	0.147354
18	455	450	452.5	9.12	4.55	1280	2430	1845	85	50.71	93.81	95.45	3.490099	0.117023
19	490	487	488.5	9.02	5.50	1280	2990	2135	79	63.01	94.10	96.32	4.286805	0.133587
20														
21														
24	575	562	568.5	9.50	4.30	1180	2100	1630	70	47.54	94.23	95.75	3.408461	0.090110
23	545	545	545.0	8.03	4.96	1240	3010	2125	87	62.79	93.23	95.99	3.804593	0.100575
24	560	555	557.5	8.12	4.76	1230	2600	2615	87	60.57	93.24	95.68	3.711645	0.100027
25	565	564	563.5	7.91	4.86	1210	2980	2095	94	62.71	92.76	95.80	3.743247	0.100455
26	575	572	573.5	7.80	4.57	1280	2910	2095	102	60.54	92.43	95.16	3.563490	0.093956

RUN NO. 297 PRINTED MAR 29, 1971

FEBRUARY, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MARCH, 1971

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRELTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
MAR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	550	545	547.5	7.25	4.00	1055	2310	1683	91	58.91	91.84	94.65	3.223186	0.088628
2	540	538	539.0	6.83	3.74	1180	2500	1840	93	57.21	92.53	95.30	2.948731	0.082584
3	580	575	577.5	7.63	4.21	1380	2680	2130	111	56.04	92.32	96.80	3.227341	0.084526
4	585	577	581.0	7.80	4.07	1480	2600	1940	96	54.43	92.84	95.09	3.121913	0.081013
5	610	602	606.0	8.25	4.45	1220	2590	1905	96	54.83	92.48	95.00	3.413394	0.084789
6														
7														
8	595	595	595.0	6.80	3.80	1130	2430	1780	89	56.80	92.47	95.01	2.914809	0.073657
9	585	575	580.0	6.85	4.02	1210	2600	1905	103	59.65	91.94	94.65	3.083561	0.080119
10	600	597	598.5	7.45	3.72	1330	2580	1955	100	50.75	92.39	94.63	2.853644	0.071834
11	600	590	595.0	7.37	3.83	1285	2510	1898	126	50.26	90.65	93.36	2.790575	0.070686
12	575	570	572.5	6.26	3.67	1240	2625	2033	109	58.62	91.60	94.64	2.769254	0.073030
13														
14														
15	590	590	590.0	6.32	3.42	1280	2660	1970	99	54.11	92.61	94.98	2.580595	0.065933
16	595	590	592.5	7.17	3.99	1280	2620	1950	87	54.60	93.45	95.53	2.954226	0.075100
17	605	602	603.5	7.03	3.62	1410	2750	2080	89	49.81	93.92	95.72	2.800160	0.066945
18	600	600	600.0	7.03	3.65	1330	2670	2000	94	49.42	93.26	95.34	2.821727	0.065799
19	595	586	591.5	6.94	3.75	1285	2700	1993	96	54.03	92.87	95.22	2.829599	0.072126
20														
21														
22	580	575	577.5	6.89	3.85	1200	2510	1855	91	53.19	92.70	95.05	2.765384	0.072023
23	585	582	583.5	6.75	3.75	1320	2680	2060	99	52.88	92.98	95.23	2.893555	0.069635
24	580	575	577.5	6.60	3.75	1400	3020	2210	106	53.20	92.78	95.21	2.849677	0.069338
25	590	585	587.5	6.80	3.77	1360	2790	2075	98	53.64	93.12	95.29	2.752764	0.070713
26	595	590	592.5	7.55	4.08	1330	2750	2040	106	52.29	92.39	94.81	2.979119	0.075614
27														
28														
29	605	595	600.0	7.42	3.87	1095	2140	1618	83	49.64	92.70	94.87	2.779749	0.069430
30	600	575	587.5	7.13	4.00	1240	2690	1965	92	52.53	93.00	95.37	2.820323	0.072454
31	595	587	591.0	7.23	3.86	1280	2550	1915	122	50.82	93.83	93.82	2.772567	0.070562

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — APRIL, 1971

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRELTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
APR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	595	584	589.5	7.30	3.95	1230	2610	1920	105	52.36	91.74	94.51	2.884198	0.073884
2	600	590	595.0	7.20	3.84	1310	2600	1955	134	48.97	93.44	93.31	2.653169	0.067121
3	600	595	597.5	7.22	3.72	1420	2590	1805	114	47.46	91.33	93.91	2.383862	0.064974
4														
5	585	575	580.0	7.72	3.80	1480	2859	1260	94	46.85	92.50	94.66	2.726472	0.070534
6	595	584	589.5	7.86	3.57	1500	2650	1175	86	42.53	93.44	95.03	2.224493	0.064374
7	604	595	599.5	8.93	3.73	1345	2640	1993	96	53.40	93.08	95.09	2.833548	0.066493
8	606	604	605.0	8.78	3.84	1483	2810	1940	88	49.99	93.59	95.58	2.957843	0.063814
9	600	590	595.0	8.03	3.46	1450	2180	1715	84	41.13	93.89	95.36	2.499840	0.063063
10														
11														
12	600	587	593.5	8.00	3.19	1490	2080	1685	100	37.95	92.54	94.11	2.491318	0.057916
13	606	595	600.5	7.89	3.25	1480	2520	2.00	120	38.57	92.35	94.09	2.490367	0.057366
14	624	608	616.0	8.40	3.40	1535	2650	1640	79	37.90	94.16	95.66	2.402315	0.058066
15														
16														
17														
18														
19	595	575	585.0	8.36	3.74	1430	2130	1685	90	42.43	92.76	94.60	2.680373	0.068690
20	617	594	606.5	8.20	3.57	1410	2080	1635	72	41.14	94.34	95.64	2.564265	0.063592
21	594	584	589.0	8.97	3.37	1480	1920	1350	67	37.56	94.53	95.80	2.242806	0.059600
22	615	594	605.5	7.29	3.26	1450	2610	1990	83	43.52	94.69	95.93	2.589478	0.059478
23	603	584	594.5	7.85	3.25	1475	2140	1808	96	39.44	92.74	94.39	2.536904	0.059408
24														
25														
26	604	577	590.5	8.00	3.68	1450	2480	1650	86	43.07	93.36	95.13	2.800217	0.066436
27	620	604	612.0	7.76	3.81	1580	2580	2.80	100	36.84	93.94	94.94	2.662047	0.062883
28	597	584	590.5	8.03	3.20	1495	1920	1350	63	37.94	94.78	95.90	2.492541	0.059128
29	603	604	604.0	8.03	3.20	1480	2190	1740	93	37.39	93.04	94.57	2.482930	0.059103
30	614	575	594.5	7.99	3.11	1475	2010	1640	79	37.86	93.97	95.16	2.477868	0.057998

RUN NO. 249 — PRINTED MAY 20, 1971 — APRIL, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1971

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3	614	589	601.5	7.17	2.60	1190	1620	1505	79	35.09	93.61	94.73	1.898458	0.047225
4	644	607	625.5	8.42	2.55	1260	1810	1535	89	29.30	93.20	94.19	1.861949	0.044527
5	640	590	615.0	9.30	2.21	1245	1725	1485	96	23.76	92.71	93.65	1.667577	0.040558
6	595	555	575.0	7.52	2.20	1180	1680	1430	118	27.84	90.28	91.65	1.580219	0.041098
7	592	550	571.0	7.29	2.18	1400	1890	1645	149	27.42	89.85	91.02	1.508391	0.039617
8														
9														
10	595	555	575.0	6.12	2.04	1185	1730	1458	121	30.28	90.18	91.73	1.394845	0.036261
11	600	570	585.0	8.40	2.12	1235	1695	1465	135	22.49	89.60	91.08	1.425931	0.036435
12	630	611	620.5	7.59	2.07	1290	1650	1470	107	24.27	91.45	92.49	1.390141	0.033451
13	626	580	603.0	9.11	2.03	1355	1780	1568	120	20.96	91.49	92.39	1.434359	0.035579
14	594	560	577.0	8.36	1.94	1460	1940	1700	130	21.37	91.43	92.35	1.348437	0.035069
15	594	563	578.5	8.08	1.95	1270	1645	1458	114	22.23	91.36	92.13	1.355387	0.035040
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1971

GULF GENERAL ATOMIC UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3	600	550	575.0	9.63	3.14	1500	2160	1830	132	33.69	91.36	92.80	2.448438	0.064024
4	595	553	574.0	9.17	2.75	1310	1820	1565	114	29.98	91.54	92.76	2.075039	0.054173
5														
6														
7	575	510	542.5	8.16	1.73	1150	1390	1270	104	21.55	91.12	91.88	1.327005	0.036548
8	595	535	565.0	9.09	2.30	1190	1650	1420	96	25.30	91.99	93.14	1.735487	0.045957
9	590	525	557.5	8.84	1.98	1195	1530	1363	102	22.39	91.62	92.53	1.494029	0.040073
10	615	567	591.0	9.98	2.68	1320	1710	1515	120	27.29	91.16	92.09	2.055707	0.052065
11	620	572	596.0	9.62	2.35	1360	1760	1560	136	24.42	90.28	91.39	1.773215	0.044538
12														
13														
14	600	553	576.5	9.39	2.22	1185	1525	1355	98	22.50	91.97	92.82	1.594564	0.041315
15	610	560	585.0	9.22	2.39	1270	1630	1450	120	21.93	90.64	91.62	1.526068	0.038986
16	597	540	568.5	9.20	2.07	1340	1690	1515	125	21.77	90.85	91.72	1.511484	0.039781
17														
18	605	567	586.0	9.16	3.34	1410	2030	1720	119	30.07	91.73	93.05	2.078593	0.053159
19														
20														
21	610	565	587.5	9.10	2.03	1235	1565	1400	122	21.23	90.41	91.35	1.458111	0.037056
22														
23	600	540	570.0	10.21	2.53	1360	1720	1540	124	23.58	91.04	92.15	1.817252	0.047719
24	590	544	567.0	8.14	2.25	1270	1605	1438	106	25.46	91.73	92.54	1.563908	0.041223
25	570	522	546.0	7.71	1.90	1280	1665	1478	134	22.70	89.94	90.91	1.322834	0.036189
26														
27														
28														
29														
30														

R&R NO. 356 — PRINTED JUL 27, 1971 — JUNE, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1971

RAYPAK UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4														
5														
6	780	745	762.5	6.10	0.88	1150	1440	1295	221	15.92	80.76	82.75	5.152363	0.100387
7	850	820	835.0	6.00	0.45	1305	1440	1373	122	8.14	90.65	91.06	3.317519	0.059061
8														
9														
10	880	842	861.0	6.13	0.22	1070	1140	1105	133	3.89	87.80	88.01	1.621898	0.027913
11	720	675	697.5	6.10	0.24	1165	1250	1208	173	4.20	85.01	85.39	1.740520	0.037086
12	720	677	698.5	5.95	0.68	1125	1260	1193	74	12.00	93.42	93.76	4.851140	0.103306
13	760	723	741.5	6.08	0.60	1230	1335	1283	92	10.36	92.44	92.68	4.280417	0.085873
14	777	733	755.0	6.10	0.54	1360	1490	1425	237	9.45	89.83	90.24	3.916171	0.077241
15	775	732	753.5	6.00	0.75	1220	1340	1280	640	13.34	49.03	49.97	5.439126	0.106717
16														
17	745	705	725.0	6.04	0.78	1180	1310	1245	555	13.79	92.96	94.97	5.656691	0.115441
18	860	805	832.5	6.02	0.68	1270	1410	1340	87	12.06	93.14	93.44	5.136952	0.091716
19	710	670	690.0	6.05	0.40	1275	1385	1320	90	6.94	92.94	93.14	2.972512	0.064185
20	755	718	736.5	6.03	0.37	1200	1315	1258	92	6.44	92.33	92.61	2.749573	0.055526
21	755	710	732.5	6.10	0.29	1230	1320	1275	131	5.16	89.25	89.52	2.227037	0.045216
22														
23														
24	770	720	745.0	6.05	0.27	1290	1400	1345	126	4.31	90.42	90.67	1.848258	0.036889
25	810	770	790.0	6.05	0.23	1265	1350	1308	135	3.92	89.32	89.57	1.681351	0.031621
26	710	650	680.0	6.05	0.36	1210	1395	1303	104	5.95	91.40	91.93	2.546639	0.055761
27	835	775	805.0	6.05	0.27	1225	1315	1270	116	4.76	90.44	90.73	2.039672	0.037644
28	925	870	897.5	5.18	0.58	1185	1345	1265	90	12.35	92.47	92.80	4.527834	0.074871
29														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1971

RAYPAK UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT.	REJECTION		FLUX	A VALUE
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	840	830	835.0	6.00	1.49	1135	1210	1173	1065	26.08	7.93	9.56	11.072610	0.194875
2	842	830	836.0	5.97	0.18	1175	1255	1215	172	3.21	85.22	85.56	1.418902	0.025172
3	895	880	887.5	6.03	0.28	1190	1325	1258	153	4.95	87.14	87.64	2.207181	0.036882
4														
5														
6														
7	950	920	935.0	5.60	0.18	1100	1120	1110	137	3.37	87.66	87.59	1.459233	0.023105
8	875	870	872.5	5.86	0.38	1180	1295	1238	60	6.78	94.96	95.12	3.080603	0.052404
9	840	840	840.0	6.05	0.32	1155	1235	1195	72	5.55	93.76	93.88	2.594192	0.045832
10	865	858	861.5	6.05	0.28	1260	1350	1305	90	4.70	92.64	92.90	2.196567	0.037859
11	865	850	857.5	6.05	0.42	1280	1410	1345	86	7.29	93.34	93.57	3.404877	0.058993
12														
13														
14	900	900	900.0	6.05	0.27	1105	1195	1150	81	4.46	92.74	92.84	2.083614	0.034302
15														
16														
17														
18														
19														
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29														
30														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MARCH, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
MAR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3														
4														
5														
6														
7														
8														
9														
10	770	570	670.0	14.00	7.10	1160	2300	1730	73	54.15	93.70	95.78	10.216350	0.228538
11	800	600	700.0	14.00	6.90	1170	2100	1635	67	50.10	94.27	95.87	9.451213	0.201829
12														
13	850	650	750.0	14.00	7.00	1000	1750	1375	43	51.66	95.74	96.84	9.746969	0.193527
14														
15														
16														
17														
18														
19														
20	750	460	605.0	11.44	5.55	975	2280	1628	130	53.53	86.90	92.00	8.252702	0.204526
21														
22														
23	680	360	520.0	13.99	4.45	930	1380	1155	66	32.87	93.22	94.36	6.196287	0.178006
24	700	360	530.0	14.09	4.45	1290	1850	1570	87	32.63	93.38	94.47	6.196287	0.175639
25	680	360	520.0	14.05	4.50	1250	1920	1585	95	34.20	92.47	93.99	6.475150	0.187246
26	730	460	595.0	13.90	5.15	1220	2040	1630	90	39.56	92.69	94.46	7.410449	0.186838
27	750	460	605.0	13.89	4.90	1210	1800	1505	73	37.05	94.07	95.13	6.935864	0.171623
28														
29														
30	800	470	635.0	13.89	4.45	920	1350	1135	65	31.51	93.07	94.25	5.898379	0.138193
31	740	390	565.0	14.04	4.20	1100	1650	1375	72	34.67	93.51	94.75	6.560717	0.173911

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — APRIL, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
APR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	720	390	555.0	13.99	4.15	1110	1550	1330	74	34.38	93.45	94.44	6.482616	0.174886
2	720	375	547.5	13.84	4.40	1060	1520	1290	85	36.85	92.05	93.40	6.873133	0.187643
3	720	380	550.0	14.09	4.40	1140	1650	1395	86	36.20	92.52	93.82	6.873133	0.187284
4														
5														
6	650	380	515.0	14.14	4.70	1050	1590	1320	76	37.90	92.82	94.23	7.222158	0.210193
7	660	385	522.5	13.74	4.70	1150	1580	1365	77	39.00	93.36	94.35	7.222158	0.207267
8	650	380	515.0	13.64	4.70	1280	1950	1615	91	38.65	93.31	94.37	7.104508	0.207724
9	670	390	530.0	13.66	4.75	1220	1720	1470	84	39.00	93.23	94.29	7.180089	0.203386
10	650	390	520.0	14.06	4.80	1220	1800	1510	87	37.06	92.93	94.22	7.021204	0.202858
11														
12														
13	650	390	520.0	14.01	4.75	1030	1510	1270	77	38.03	92.66	93.94	7.180089	0.206723
14	630	380	505.0	8.01	5.25	1900	2920	2410	168	74.74	91.15	93.02	8.067304	0.250090
15	630	375	502.5	8.06	5.20	1550	2650	2100	122	70.03	92.27	94.19	7.606304	0.229803
16	625	375	500.0	7.91	5.15	1520	2620	2070	112	73.04	92.76	94.59	7.784747	0.236403
17	650	380	515.0	7.91	5.25	1820	2900	2360	118	76.94	93.57	94.96	8.203897	0.242891
18														
19	620	375	497.5	8.06	5.60	1730	2960	2345	133	72.98	92.38	94.31	7.926699	0.242756
20														
21	630	380	505.0	7.86	5.25	1640	2880	2260	119	76.88	92.80	94.72	7.935887	0.239336
22	640	380	510.0	7.56	5.15	2440	3660	3050	145	76.42	94.16	95.25	7.784747	0.235454
23	630	380	505.0	7.21	5.45	2500	3620	3160	186	80.72	92.61	94.06	7.842125	0.239709
24	720	475	597.5	8.81	6.30	1950	3460	2705	192	73.89	90.33	92.90	9.288286	0.236314
25														
26														
27														
28	670	440	555.0	8.81	5.95	4040	6360	5200	345	93.30	91.61	93.37	8.561586	0.244644
29	670	435	552.5	8.56	5.80	4350	6720	5535	275	94.20	93.73	95.02	8.327051	0.240412
30	680	435	557.5	8.41	5.90	5050	8460	6755	310	95.11	94.03	95.45	8.215301	0.239121

RUN NO. 244 — PRINTED JAN 22, 1971 — APRIL, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA										INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT, REJECTION			FLUX	A VALUE	
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A	
1	670	430	550.0	6.76	6.05	5250	8400	6825	305	88.03	94.24	95.57	8.019145	0.236469	
2															
3															
4	670	430	550.0	6.61	6.10	5400	8940	7170	280	87.84	94.86	96.18	7.824139	0.231920	
5	680	440	560.0	6.30	5.70	6350	9900	8125	310	91.97	95.16	96.17	7.807523	0.230603	
6	680	440	560.0	6.39	5.45	5725	9060	7393	265	89.59	95.41	96.36	7.714378	0.225521	
7	690	445	567.5	6.24	5.55	6000	9900	7950	330	99.77	94.54	95.76	8.389366	0.244508	
8	680	435	557.5	6.49	5.95	5650	9480	7565	345	94.74	94.01	95.44	8.284921	0.243676	
9															
10															
11	690	440	565.0	6.39	5.85	5030	7920	6460	250	94.60	95.04	96.09	8.145681	0.232288	
12	700	440	570.0	6.40	5.75	4800	7680	6240	255	93.07	94.73	95.85	8.139024	0.229136	
13	680	445	562.5	13.99	6.25	1270	2050	1660	135	48.49	89.46	91.65	9.142192	0.243963	
14	680	445	562.5	13.99	6.30	1260	2000	1630	127	48.09	90.10	92.12	9.065210	0.241838	
15	620	380	500.0	13.99	6.00	1390	2300	1845	118	43.59	91.59	93.58	8.218446	0.248195	
16															
17															
18	670	325	472.5	14.04	6.00	1220	1910	1565	98	42.73	92.04	93.76	8.084569	0.257595	
19	620	375	497.5	14.09	6.00	1300	2000	1650	99	43.28	92.45	93.98	8.218446	0.248751	
20	570	510	540.0	9.55	6.15	1300	3520	2410	230	64.39	82.47	90.48	8.286684	0.232810	
21	580	525	552.5	9.50	5.75	1320	3200	2260	197	62.54	85.21	91.19	8.006439	0.219327	
22	595	525	555.0	9.55	6.35	1290	3040	2165	150	68.71	88.48	92.99	8.841692	0.240919	
23															
24															
25	580	530	560.0	9.40	5.40	1190	2700	1945	90	59.36	92.50	95.32	7.519089	0.202514	
26	600	550	575.0	8.75	5.35	1170	2820	1995	90	63.18	92.38	95.43	7.449468	0.195404	
27															
28	590	545	567.5	9.30	6.05	1200	3160	2180	155	68.33	87.20	92.75	8.563669	0.228090	
29															
30	600	510	555.0	9.40	5.50	1320	2980	2150	155	58.51	88.37	92.81	8.337213	0.227068	
31															

RUN NO. 134 PRINTED OCT 07, 1970 MAY, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA										INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT, REJECTION			FLUX	A VALUE	
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A	
1	610	515	562.5	9.40	5.25	1330	2960	2145	92	56.77	93.28	95.75	8.090036	0.217410	
2	610	510	560.0	9.45	5.25	1450	3300	2375	87	54.04	94.11	96.35	7.248072	0.196199	
3	550	510	530.0	8.45	6.55	1430	5280	3355	380	69.09	73.42	88.48	8.329896	0.240702	
4	590	530	560.0	9.35	6.15	1410	3780	2595	195	59.60	86.72	92.62	7.950723	0.215914	
5															
6	600	530	565.0	9.40	5.80	1400	3400	2400	168	59.70	88.11	93.06	8.007394	0.214702	
7															
8	600	525	562.5	9.40	5.45	1260	2460	2060	162	57.03	87.01	92.11	7.223856	0.193734	
9	610	520	565.0	9.45	5.40	1350	2990	2165	146	56.21	89.07	93.18	7.578618	0.202637	
10	615	530	572.5	9.40	5.35	1380	3040	2210	142	56.91	89.50	93.49	7.632785	0.201573	
11	615	530	572.5	9.30	5.30	1450	3240	2345	142	53.36	90.20	93.85	7.080652	0.187121	
12	630	535	582.5	9.30	5.20	1360	2900	2130	120	56.83	91.09	94.42	7.541632	0.195621	
13															
14															
15	625	565	595.0	8.05	4.95	1290	3000	2145	116	61.49	90.83	94.63	7.062109	0.179260	
16															
17															
18	575	555	565.0	7.70	6.00	1450	6240	3845	290	70.60	80.00	92.39	7.325870	0.199816	
19															
20															
21															
22															
23															
24	550	515	532.5	8.60	6.55	1480	5310	3395	320	64.62	78.61	90.43	7.929411	0.227937	
25	560	525	542.5	8.55	5.95	1580	4980	3280	200	61.02	87.20	93.78	7.443593	0.210034	
26															
27															
28															
29	620	570	595.0	9.50	6.55	1240	3280	2260	136	64.56	89.14	93.99	8.264471	0.209789	
30															

RUN NO. 92 PRINTED SEP 8, 1970 JUNE, 1970

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

JULY, 1970

UNIVERSAL UNIT

JUL	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION RCVRY	TOTAL	AVE.	FLUX GMS/SM*SEC	A VALUE G/SM*SEC*A
1														
2														
3														
4														
5														
6														
7	600	570	585.0	9.40	6.60	1450	4760	3105	152	61.56	89.31	95.10	8.020849	0.209050
8	580	555	567.5	8.80	6.45	1480	5280	3380	200	61.18	86.48	94.03	7.461892	0.201162
9	590	560	575.0	8.80	6.30	1490	4880	3185	167	62.77	88.90	94.76	7.656266	0.203440
10	585	560	572.5	8.80	6.35	1490	4800	3125	172	60.23	87.87	94.37	7.492471	0.198385
11														
12														
13	585	560	572.5	9.35	6.90	1340	4960	3150	200	60.59	85.07	93.65	7.966043	0.212147
14														
15	565	535	550.0	8.35	6.40	1610	6480	4045	370	63.97	76.50	90.84	7.621610	0.213469
16	585	550	567.5	9.75	6.15	1620	4700	3160	285	59.63	82.59	90.85	7.445174	0.199699
17	580	545	562.5	8.75	6.40	1580	4650	3115	280	58.11	82.27	90.77	7.255175	0.196046
18														
19														
20	620	420	520.0	14.45	5.95	1440	2280	1860	178	34.93	87.63	90.30	7.203054	0.206129
21	620	420	520.0	14.45	5.85	1410	2300	1855	174	34.35	87.65	90.49	7.081994	0.204627
22	620	420	520.0	14.45	5.95	1480	2310	1895	192	34.93	87.02	89.80	7.203654	0.208227
23	635	430	532.5	14.40	5.75	1440	2400	1920	176	36.78	87.63	90.72	7.556701	0.213635
24	625	425	525.0	14.40	5.80	1330	1960	1645	125	34.74	90.70	92.43	7.244271	0.206701
25														
26														
27	640	530	585.0	14.25	5.65	1310	2010	1655	145	37.12	88.81	91.03	7.666901	0.196071
28	660	425	542.5	14.45	5.85	1350	2180	1765	145	35.49	89.48	92.06	7.427721	0.205588
29														
30	625	425	525.0	14.40	5.75	1520	2740	2130	172	35.01	88.92	92.15	7.411369	0.213146
31	590	415	502.5	14.45	6.85	1420	2560	1990	195	41.56	87.55	90.40	8.829196	0.264922

RUN NO. 61 PRINTED AUG 17, 1970

JULY, 1970

EASTERN MUNICIPAL WATER DISTRICT

REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY

AUGUST, 1970

UNIVERSAL UNIT

AUG	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	INDICES CORRECTED FOR TEMPERATURE: PCT. REJECTION RCVRY	TOT.J	AVE.	FLUX GMS/SM*SEC	A VALUE G/SM*SEC*A
1														
2														
3	615	420	517.5	14.45	6.80	1170	2220	1695	142	43.34	87.86	91.78	9.207428	0.267422
4	485	435	460.0	14.55	9.60	1510	3880	2695	550	57.85	63.96	79.96	25.520893	0.863239
5	510	465	487.5	14.65	8.15	1550	2980	2265	455	48.78	71.26	80.61	21.666168	0.671206
6	525	470	497.5	14.60	8.10	1400	2600	2000	380	35.45	72.85	81.26	15.692365	0.474372
7	490	450	470.0	14.60	8.10	1400	2840	2140	550	47.07	60.71	74.29	20.837406	0.667105
8														
9														
10	530	470	500.0	14.60	5.65	1320	2200	1760	360	35.06	72.72	79.80	15.521682	0.469683
11	495	450	472.5	14.50	7.45	1410	2640	2025	560	44.31	60.71	72.83	19.482643	0.619491
12	515	465	490.0	14.70	6.75	1560	2580	2070	570	40.93	63.46	72.46	18.241527	0.559244
13	520	470	495.0	14.46	6.50	1450	2240	1845	540	42.09	63.89	71.45	18.453113	0.558606
14	530	470	500.0	14.45	6.20	1420	2000	1710	490	38.24	65.85	71.47	16.755184	0.500988
15														
16														
17	535	475	505.0	14.50	5.60	1270	2160	1715	420	34.42	66.92	75.98	15.133714	0.448715
18	530	465	497.5	14.50	5.85	1500	2240	1870	565	34.23	62.74	70.11	15.049238	0.452663
19	530	465	497.5	14.50	5.85	1430	2180	1805	500	34.23	65.41	72.77	15.049238	0.452738
20	540	475	507.5	14.50	5.50	1310	2180	1745	455	33.26	65.26	74.26	14.621343	0.431153
21	505	455	480.0	14.60	6.65	1520	2520	2020	770	39.93	49.88	63.26	17.678535	0.551772
22														
23														
24	525	470	497.5	14.60	5.85	1220	1720	1470	470	35.13	61.47	67.82	15.551790	0.465722
25	505	455	480.0	14.60	6.60	1180	2600	2090	850	37.11	46.20	59.88	16.429969	0.512025
26	525	470	497.5	14.60	5.95	1450	1960	1705	700	36.92	52.22	58.87	16.345848	0.489664
27	560	415	487.5	14.60	6.00	1410	1850	1630	750	33.74	46.80	53.41	14.936330	0.455562
28	520	465	492.5	14.60	5.75	1350	2040	1695	715	33.97	47.60	59.06	15.036939	0.459075
29														
30														
31	530	465	497.5	14.60	5.50	1300	1840	1470	660	31.96	49.23	54.82	14.148853	0.422395

RUN NO. 104 PRINTED SEP 14, 1970

AUGUST, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — SEPTEMBER, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
SEP	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	540	475	507.5	14.95	5.05	1340	1620	1480	740	31.45	45.34	49.95	13.873365	0.405738
2	530	470	500.0	14.45	5.10	1380	1680	1530	890	30.44	36.19	41.75	13.337110	0.395249
3	585	565	575.0	10.40	4.70	1290	1750	1520	830	41.91	37.58	47.03	13.343021	0.343799
4	600	570	585.0	10.45	4.35	1320	1750	1535	810	39.62	39.25	47.15	12.553897	0.318040
5														
6														
7														
8	580	560	570.0	7.90	3.55	1340	1875	1608	795	40.31	41.92	50.67	9.703294	0.252935
9	640	600	620.0	9.45	4.45	1460	1930	1695	960	38.33	34.95	43.27	11.447710	0.273350
10	650	620	635.0	9.40	4.15	1520	1900	1710	1000	38.37	34.88	41.11	11.400884	0.269760
11	610	600	605.0	6.95	3.80	1390	1810	1600	1110	47.94	21.82	30.42	10.102018	0.246957
12														
13														
14	650	620	635.0	8.30	3.30	1090	1330	1210	840	37.84	24.47	30.82	9.523645	0.221165
15	620	590	605.0	8.35	3.15	1370	1580	1475	1090	35.32	22.02	25.99	8.942665	0.218044
16	630	595	612.5	8.35	2.90	1370	1570	1470	1090	33.06	22.01	26.14	8.369268	0.201570
17	640	595	617.5	5.70	2.90	1350	1675	1513	1080	46.86	21.61	28.84	8.098614	0.193574
18	650	595	622.5	5.40	2.90	1320	1640	1480	1090	45.30	19.10	26.60	7.966881	0.189775
19														
20														
21	675	590	632.5	6.95	2.70	1160	1340	1250	910	37.60	22.32	27.14	7.921108	0.184616
22	615	565	590.0	5.70	2.55	1470	1690	1580	1210	41.89	18.50	23.36	7.239298	0.180497
23	625	570	597.5	5.70	2.75	1400	1725	1563	1180	44.44	17.43	24.31	7.679908	0.189589
24	630	575	602.5	5.70	2.65	1340	1550	1445	1090	43.53	20.28	24.36	7.523193	0.184146
25	620	550	585.0	6.40	2.60	1310	1500	1405	1080	38.04	20.05	24.23	7.381246	0.186067
26														
27														
28	610	560	585.0	6.35	2.70	1290	1480	1385	1070	39.81	17.90	22.68	7.665139	0.193133
29	615	565	590.0	6.25	2.60	1290	1490	1390	1100	38.95	15.58	20.80	7.381246	0.184344
30	615	565	590.0	6.25	2.60	1260	1450	1355	1040	38.32	19.12	23.55	7.261004	0.181408

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — OCTOBER, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION		FLUX	A VALUE	
OCT	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	630	570	600.0	6.05	2.65	1410	1600	1505	1280	41.01	11.03	15.75	7.523193	0.184629
2	635	570	602.5	6.25	2.65	1440	1600	1520	1290	39.05	12.26	15.96	7.400639	0.180861
3														
4														
5	610	570	590.0	6.14	2.50	1230	1408	1319	1085	38.12	13.53	17.62	7.097352	0.177128
6	640	570	605.0	5.40	2.98	1285	2460	1873	58	50.00	95.44	96.85	8.186658	0.203390
7	650	575	612.5	5.60	2.75	1410	2600	2305	59	48.30	95.89	97.05	8.201398	0.201587
8	500	465	482.5	5.85	2.33	1415	2220	1618	75	39.18	94.85	95.92	6.948821	0.217588
9	560	475	517.5	5.93	3.00	1375	2200	1788	59	47.37	95.79	96.72	8.516822	0.247944
10														
11														
12	570	475	522.5	5.90	2.95	1310	2150	1730	63	46.82	95.28	96.38	8.374874	0.241132
13	575	480	527.5	5.85	2.45	1370	2175	1773	53	39.21	96.20	97.01	6.955405	0.198490
14	580	480	530.0	6.30	2.65	1360	2225	1793	66	39.38	95.24	96.32	7.523193	0.213676
15	580	485	532.5	6.25	2.55	1310	2075	1693	58	41.02	95.70	96.59	7.774421	0.219584
16	585	485	535.0	6.38	2.60	1250	2025	1638	52	38.79	95.96	96.84	7.503477	0.210761
17														
18														
19	585	485	535.0	6.35	2.50	1400	2200	1800	53	36.86	96.25	97.04	7.097352	0.199742
20	585	485	535.0	6.38	2.50	1370	2210	1790	51	37.30	96.42	97.17	7.214882	0.203088
21	590	485	537.5	6.35	2.50	1460	2275	1868	54	37.47	96.41	97.14	7.214882	0.202357
22	590	485	537.5	6.40	2.50	1300	2075	1688	57	37.80	95.74	96.64	7.334359	0.205168
23	610	490	550.0	6.35	2.40	1210	1900	1555	49	37.79	96.06	96.86	7.276113	0.198575
24														
25														
26	575	465	520.0	6.50	2.40	1150	1730	1440	49	36.92	95.82	96.60	7.276113	0.209861
27	565	460	512.5	6.45	2.35	1260	1925	1593	49	35.84	96.14	96.91	7.008485	0.205640
28	575	460	517.5	6.45	2.30	1280	1950	1615	50	36.24	96.16	96.92	7.088410	0.206099
29	610	475	542.5	7.28	2.40	1220	1820	1520	48	33.51	96.06	96.80	7.396601	0.204576
30	600	470	535.0	6.20	2.48	1440	2120	1780	61	39.34	95.84	96.58	7.396168	0.208144
31														

RUN NO. 183 — PRINTED NOV 28, 1970 — OCTOBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — NOVEMBER, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
NOV	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2	600	470	535.0	7.20	2.50	1280	1875	1578	55	33.05	95.70	96.47	7.214882	0.202382
3	610	565	587.5	7.20	2.40	1260	1850	1555	41	33.33	96.80	97.36	7.276113	0.185602
4	610	465	537.5	7.20	2.35	1350	1980	1665	46	32.10	96.65	97.24	7.008465	0.196049
5	620	445	532.5	7.35	2.20	1250	1840	1545	46	30.42	96.39	97.02	6.780219	0.191228
6	630	455	542.5	7.45	2.22	1350	1990	1670	54	29.79	96.03	96.76	6.730404	0.186512
7														
8														
9	640	470	555.0	7.08	2.44	955	1740	1348	48	33.34	95.02	96.45	7.158335	0.192855
10	575	450	512.5	6.70	2.45	1270	1925	1598	50	34.80	96.14	96.87	7.070586	0.207396
11	590	440	515.0	6.62	2.31	1380	1920	1650	45	33.21	96.73	97.24	6.666553	0.194922
12	575	450	512.5	6.82	2.35	1260	1840	1550	46	33.89	96.34	96.99	7.008465	0.205560
13	585	455	520.0	6.60	2.32	1145	1700	1423	46	36.32	96.09	96.80	7.268453	0.209683
14														
15														
16														
17	575	445	510.0	6.35	2.40	1310	1970	1640	54	37.17	95.95	96.73	7.157583	0.211215
18	580	455	517.5	6.30	2.27	1340	2000	1670	53	36.03	96.19	96.87	6.881989	0.200305
19	580	445	512.5	6.25	2.20	1320	2100	1710	52	35.78	96.24	97.01	6.780219	0.199522
20	580	450	515.0	6.25	2.20	1235	1920	1578	46	36.37	96.44	97.10	6.892499	0.201385
21														
22														
23	565	445	505.0	6.13	2.08	1185	1850	1518	47	33.93	96.18	96.94	6.305964	0.187836
24	550	450	500.0	5.30	2.35	1250	2060	1655	60	44.33	95.29	96.40	7.124526	0.214581
25	550	450	500.0	5.11	2.23	1275	2120	1698	57	43.63	95.61	96.62	6.760722	0.203866
26														
27	540	455	497.5	5.15	2.18	1060	1780	1420	47	43.74	95.69	96.72	6.829840	0.206220
28														
29														
30	590	455	522.5	6.35	2.30	1060	1610	1335	71	38.67	93.66	94.79	7.446423	0.213583

[illegible] 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — DECEMBER, 1970

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE, PSI			FLOW, GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
DEC	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	590	455	522.5	6.40	2.35	1220	1820	1520	76	37.94	93.94	95.02	7.362441	0.211648
2	600	455	527.5	6.31	2.33	1240	1830	1535	75	38.15	94.06	95.12	7.299734	0.207892
3	600	460	530.0	6.34	2.28	1260	1840	1550	78	38.52	93.92	94.95	7.381671	0.209314
4	610	465	537.5	6.35	2.25	1210	1675	1543	77	37.83	93.80	95.03	7.284543	0.203633
5														
6														
7	560	455	507.5	5.44	2.17	1250	1945	1598	79	42.59	93.79	95.06	7.025538	0.208359
8	600	465	532.5	5.90	2.32	1290	1940	1615	86	41.30	93.51	94.70	7.386817	0.208702
9	590	465	527.5	6.00	2.22	1320	1980	1650	83	40.83	93.82	94.92	7.427432	0.211977
10	590	465	527.5	5.85	2.20	1240	1870	1555	78	41.50	93.93	95.05	7.360520	0.209641
11	570	465	517.5	5.90	2.15	1160	1730	1445	76	40.88	93.62	94.79	7.312353	0.212192
12														
13														
14	585	465	525.0	5.90	2.18	1080	1570	1325	63	41.45	94.32	95.27	7.414386	0.211651
15	600	465	532.5	5.95	2.18	1080	1670	1375	62	41.10	94.36	95.49	7.414386	0.208804
16	590	465	527.5	5.94	2.15	1125	1630	1378	64	40.60	94.46	95.38	7.312353	0.207946
17	585	465	525.0	5.94	2.20	1190	1830	1510	69	41.54	94.35	95.47	7.482408	0.214253
18	585	465	525.0	6.04	2.15	1220	1820	1520	69	40.59	94.49	95.48	7.433444	0.212953
19														
20														
21	600	465	532.5	6.33	2.00	1130	1625	1378	67	37.85	94.17	95.14	7.264077	0.204686
22	600	465	532.5	6.25	2.20	1080	1575	1328	59	41.48	94.72	95.61	7.880322	0.221349
23	610	465	537.5	6.30	2.36	1100	1550	1325	63	43.42	94.47	95.31	8.294622	0.231336
24	610	465	537.5	6.31	2.00	1150	1710	1430	69	36.74	94.20	95.21	7.029340	0.196347
25														
26														
27														
28	590	460	525.0	6.31	1.97	1125	1630	1378	69	36.19	93.97	94.97	6.923901	0.197879
29	620	505	562.5	5.41	2.10	1150	1800	1475	69	46.50	94.10	95.32	7.627283	0.203525
30	610	500	555.0	5.52	2.22	1210	1850	1530	72	46.62	94.15	95.30	7.802567	0.211170
31	600	495	547.5	5.60	2.27	1300	2075	1688	77	46.22	94.07	95.35	7.848334	0.215662

RUN NO. 240 PRINTED JAN 21, 1971 — DECEMBER, 1970

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JANUARY, 1971

UNIVERSAL UNIT

JAN	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	PCT. REJECTION RCVRY	TOTAL	INDICES CORRECTED FOR TEMPERATURE: FLUX AVE. GMS/SM*SEC	A VALUE G/SM*SEC*A
1													
2													
3													
4	630	510	570.0	5.82	2.10	945	1450	1196	55	43.94	94.27	95.39	7.755509	0.203345
5	630	505	567.5	5.76	2.11	1050	1590	1320	56	45.19	94.75	95.76	7.919521	0.209063
6	640	505	572.5	5.74	2.04	1055	1610	1333	60	43.28	94.45	95.51	7.532038	0.197104
7	620	500	560.0	5.70	1.90	1125	1660	1393	66	41.95	94.25	95.24	7.249414	0.194204
8	630	515	572.5	5.77	2.11	1180	1625	1503	72	44.53	94.05	95.20	7.790510	0.204362
9														
10														
11	610	500	555.0	5.80	2.00	1030	1590	1310	59	41.99	94.51	95.57	7.384309	0.199406
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27	570	510	540.0	9.50	6.40	1350	3750	2550	77	73.13	94.40	96.95	9.361606	0.264467
28	590	520	555.0	9.40	5.45	1480	2660	2070	58	66.11	95.53	97.17	8.374629	0.228939
29	640	525	582.5	9.05	4.55	1225	2350	1788	53	57.33	95.82	97.05	6.991603	0.190631
30														
31														

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — FEBRUARY, 1971

UNIVERSAL UNIT

FEB	UNCORRECTED RAW DATA: PRESSURE,PSI FEED	BRINE	AVE.	FLOW,GPM FEED	PROD	CONDUCTIVITY FEED	BRINE	AVE.	PROD	PCT. REJECTION RCVRY	TOTAL	INDICES CORRECTED FOR TEMPERATURE: FLUX AVE. GMS/SM*SEC	A VALUE G/SM*SEC*A
1	640	530	585.0	8.05	3.35	1100	1770	1435	52	47.45	95.39	96.37	5.147708	0.131660
2	580	515	547.5	7.85	4.36	1145	2520	1833	54	62.30	95.41	97.04	8.259506	0.181736
3	590	525	557.5	7.80	4.20	1130	2370	1750	56	61.40	94.94	96.83	8.453083	0.174503
4	620	525	572.5	8.15	3.87	1250	2320	1785	61	55.04	95.16	96.55	8.043232	0.159144
5	585	510	547.5	8.34	4.63	1210	2080	1645	56	63.31	95.24	97.00	7.116595	0.196584
6														
7														
8	610	530	570.0	8.35	4.55	1075	2490	1883	39	62.14	96.43	97.66	6.991603	0.184623
9	620	530	575.0	8.69	4.47	1190	2420	1805	42	59.63	96.53	97.67	6.982479	0.183104
10	570	505	537.5	7.70	4.70	1220	2260	1740	45	70.76	96.37	97.41	7.241725	0.206122
11	580	515	547.5	7.80	4.60	1340	3000	2170	50	61.95	96.30	97.67	8.511218	0.160414
12	590	515	552.5	7.64	3.94	1400	2850	2125	51	57.85	96.42	97.59	5.955695	0.160348
13														
14														
15	600	520	560.0	7.50	3.05	1090	1720	1405	52	45.62	95.27	96.27	4.810372	0.123386
16	570	505	537.5	7.20	4.25	1180	2750	1965	55	65.14	95.36	97.19	8.319657	0.177930
17	580	515	545.0	6.96	3.87	1300	2680	2490	63	60.18	95.24	96.96	5.866846	0.157537
18	580	510	545.0	7.08	3.48	1250	2480	1865	50	55.14	95.03	97.29	5.260360	0.145800
19	590	515	552.5	8.05	4.62	1260	2800	2030	48	65.45	96.22	97.61	7.099228	0.194583
20														
21														
22	620	520	570.0	8.20	3.67	1185	2070	1628	58	51.04	95.14	96.42	5.639430	0.148781
23	625	520	572.5	8.10	3.37	1225	2080	1653	50	47.44	95.95	96.94	5.173442	0.136039
24	630	525	577.5	8.40	3.77	1230	2110	1670	49	51.16	96.08	97.06	5.793093	0.150880
25	630	520	575.0	8.42	3.80	1190	2120	1655	48	51.46	95.83	97.10	5.839192	0.152725
26	620	520	570.0	8.47	3.97	1245	2210	1728	55	53.45	95.66	96.79	6.100420	0.161127

RUN NO. 297 — PRINTED MAR 29, 1971 — FEBRUARY, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MARCH, 1971

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
MAR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	620	520	570.0	8.19	3.78	1035	1780	1408	44	56.48	95.78	96.84	6.202871	0.163209
2	600	520	560.0	7.65	3.40	1175	2075	1625	45	51.52	96.20	97.20	5.311058	0.142697
3	580	500	540.0	7.35	3.85	1350	2740	2045	62	59.73	95.49	96.96	5.916023	0.166036
4	590	510	550.0	7.30	3.85	1245	2510	1878	43	60.14	96.57	97.70	5.916023	0.162519
5	590	515	552.5	7.28	3.77	1195	2410	1803	57	59.05	95.31	96.83	5.793093	0.158191
6														
7														
8	620	525	572.5	8.45	3.86	1105	1980	1543	45	53.23	95.99	97.06	6.060853	0.159305
9	610	515	562.5	8.10	3.75	1205	1990	1598	45	53.67	96.29	97.17	5.857765	0.156591
10	590	510	550.0	8.30	4.05	1345	2550	1948	57	55.64	95.80	97.04	6.223347	0.171084
11	600	515	557.5	8.38	3.87	1250	2270	1760	55	51.80	95.64	96.86	5.849883	0.158119
12	630	520	575.0	9.12	4.25	1200	2210	1705	49	54.02	95.95	97.10	6.636822	0.173807
13														
14														
15	640	525	582.5	9.10	4.10	1290	2320	1805	49	51.38	96.26	97.28	6.300181	0.162974
16	640	530	585.0	9.10	4.15	1240	2230	1735	45	51.16	96.43	97.40	6.273131	0.161328
17	600	510	555.0	9.16	4.52	1360	2540	1950	49	52.56	96.46	97.48	6.503929	0.177023
18	600	505	552.5	9.38	4.36	1245	2290	1768	52	49.63	95.90	97.05	6.276701	0.171106
19	620	515	567.5	9.32	4.17	1245	2200	1723	48	51.02	96.21	97.21	6.407744	0.170043
20														
21														
22	620	515	567.5	9.32	4.45	1180	2150	1665	48	51.83	95.93	97.08	6.509242	0.172408
23	600	500	550.0	9.45	4.45	1300	2390	1845	51	49.46	96.11	97.21	6.296896	0.172715
24	580	505	542.5	8.38	4.40	1350	2600	1975	59	56.07	95.71	97.01	6.331257	0.176452
25	610	520	565.0	8.53	4.22	1330	2640	1985	50	54.59	96.27	97.45	6.275028	0.167859
26	600	515	557.5	8.39	4.28	1285	2620	1953	55	55.37	95.75	97.15	6.260574	0.169646
27														
28														
29	590	515	552.5	8.65	4.18	1070	1990	1530	45	53.32	95.83	97.05	6.215550	0.168907
30	590	510	550.0	8.47	3.98	1210	2275	1743	48	50.18	96.07	97.22	5.726911	0.156832
31	590	520	555.0	8.35	4.22	1250	2480	1865	53	53.97	95.83	97.14	6.072252	0.165017

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — APRIL, 1971

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
APR	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	600	507	553.5	8.32	3.98	1225	2380	1803	49	52.79	96.03	97.25	5.918134	0.161285
2	610	520	565.0	8.95	4.30	1290	2460	1875	58	49.64	95.53	96.86	5.987423	0.159727
3	610	515	562.5	9.12	4.20	1225	2290	1758	59	47.59	95.22	96.64	5.846179	0.156399
4														
5	635	515	575.0	8.90	4.04	1100	1940	1520	42	47.66	96.16	97.20	5.718547	0.149174
6	620	520	570.0	9.07	4.08	1230	2450	1840	44	47.25	95.52	97.48	5.775107	0.152416
7	605	520	562.5	8.99	4.25	1310	2475	1893	50	49.66	95.21	97.31	6.015798	0.161319
8	620	525	572.5	8.96	4.23	1240	2350	1795	44	49.24	96.43	97.51	5.963024	0.156404
9	620	520	570.0	9.03	4.12	1195	2225	1710	40	47.95	96.71	97.66	5.831787	0.153977
10														
11														
12	630	520	575.0	9.52	4.14	1375	2360	1868	61	43.46	95.58	96.69	5.578352	0.146037
13	640	525	582.5	9.24	3.94	1420	2480	1950	55	44.06	96.12	97.12	5.468150	0.142027
14	640	530	585.0	9.35	3.82	1350	2230	1790	38	42.91	97.16	97.85	5.407141	0.139105
15														
16														
17														
18														
19	545	505	525.0	8.46	4.17	1210	2370	1790	62	52.51	94.87	96.49	6.003307	0.172774
20	545	510	527.5	8.36	4.30	1100	2190	1645	30	54.92	97.27	98.16	6.187307	0.176697
21	567	524	545.5	8.51	3.96	1195	2260	1728	42	50.51	96.54	97.58	5.792494	0.160056
22	558	514	536.0	8.61	3.77	1195	2180	1678	42	47.53	96.51	97.50	5.514571	0.155207
23	545	510	527.5	8.09	3.69	1455	2355	1805	54	48.70	95.85	97.04	5.309863	0.152054
24														
25														
26	570	520	545.0	8.50	3.94	1105	2080	1593	35	51.15	96.33	97.78	5.854676	0.161694
27	570	512	541.0	8.75	3.73	1435	2420	1928	53	45.52	96.34	97.24	5.367130	0.149984
28	590	534	562.0	8.67	3.66	1455	2470	1913	41	45.06	95.73	97.57	5.260435	0.141074
29	560	483	522.5	8.96	3.37	1530	2090	1710	49	38.78	96.31	97.10	4.892468	0.135302
30	560	494	527.0	8.26	3.20	1440	2030	1635	44	41.27	96.48	97.30	4.804552	0.131980

RUN NO. 329 — PRINTED MAY 26, 1971 — APRIL, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — MAY, 1971

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
MAY	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1														
2														
3	585	513	549.0	8.19	3.11	1160	1730	1445	41	40.55	96.46	97.13	4.475048	0.122251
4	550	475	512.5	8.58	3.01	1255	1875	1565	50	36.85	96.05	96.79	4.260601	0.125076
5	590	514	552.0	8.51	3.08	1265	1975	1620	45	38.65	96.50	97.22	4.431880	0.120755
6	570	500	535.0	8.39	2.88	1200	1750	1475	49	37.26	95.87	96.62	4.212722	0.118219
7	570	494	532.0	8.29	2.75	1360	2000	1680	53	35.42	96.10	96.80	3.957036	0.112029
8														
9														
10	615	482	548.5	8.46	2.62	1300	1815	1558	46	32.53	96.49	97.04	3.708563	0.101554
11	590	512	551.0	8.30	2.65	1255	1780	1518	59	32.99	95.34	96.10	3.689923	0.100493
12	613	530	571.5	8.89	2.90	1200	1750	1475	45	33.71	96.28	96.94	4.038029	0.105899
13	605	423	514.0	9.07	3.02	1365	1980	1673	57	33.29	95.86	96.58	4.069232	0.119177
14	630	535	582.5	9.21	2.65	1420	2045	1733	51	29.73	96.40	97.00	3.689923	0.095258
15														
16														
17	576	520	548.0	8.72	3.64	1250	2125	1688	45	43.85	96.43	97.34	5.224924	0.143553
18	575	522	548.5	8.64	3.72	1325	2340	1833	46	44.49	96.59	97.49	5.252773	0.144459
19	585	530	557.5	8.73	3.70	1360	2330	1845	48	43.79	96.47	97.36	5.224532	0.141308
20	570	510	540.0	8.76	3.73	1260	2115	1688	43	44.00	96.58	97.43	5.266893	0.146838
21	575	520	547.5	8.90	3.47	1270	2000	1635	50	41.63	96.06	96.90	5.063385	0.139099
22														
23														
24	610	530	570.0	8.47	2.86	1370	1970	1670	61	32.14	95.63	96.35	3.720034	0.097934
25	605	425	515.0	9.49	2.66	1350	1815	1583	58	28.02	95.70	96.29	3.634640	0.106135
26	612	530	571.0	10.34	4.16	1275	2150	1713	48	40.23	96.27	97.19	5.684250	0.149614
27	630	536	583.0	10.34	4.15	1235	2065	1650	41	41.47	96.74	97.50	5.859949	0.150964
28	630	530	580.0	10.52	3.85	1230	2050	1640	43	39.08	96.60	97.39	5.617877	0.145534
29														
30														
31														

RUN NO. 348 — PRINTED JUL 12, 1971 — MAY, 1971

EASTERN MUNICIPAL WATER DISTRICT — REVERSE OSMOSIS TEST

MONTHLY STATISTICS SUMMARY — JUNE, 1971

UNIVERSAL UNIT

	UNCORRECTED RAW DATA									INDICES CORRECTED FOR TEMPERATURE				
	PRESSURE,PSI			FLOW,GPM		CONDUCTIVITY				PCT. REJECTION			FLUX	A VALUE
JUN	FEED	BRINE	AVE.	FEED	PROD	FEED	BRINE	AVE.	PROD	RCVRY	TOTAL	AVE.	GMS/SM*SEC	G/SM*SEC*A
1	625	520	572.5	10.32	3.67	1225	1890	1558	44	36.74	96.47	97.16	5.182170	0.135822
2	595	520	557.5	9.72	3.83	1250	2065	1658	43	40.71	96.56	97.37	5.408096	0.145871
3	605	430	517.5	9.63	3.66	1310	2100	1705	42	39.92	96.82	97.51	5.253633	0.153043
4	595	525	560.0	9.39	3.98	1320	2160	1740	41	43.08	96.92	97.63	5.607328	0.150672
5														
6														
7	575	495	535.0	9.33	3.23	1140	1700	1420	36	35.77	96.87	97.44	4.693075	0.131524
8	590	510	550.0	9.30	3.10	1300	1880	1590	44	33.88	96.67	97.23	4.430813	0.121013
9	625	535	580.0	9.07	3.55	1190	1825	1508	42	40.44	96.53	97.21	5.158023	0.133300
10	610	515	562.5	10.17	3.48	1310	1990	1650	44	35.36	96.64	97.28	5.056316	0.135075
11	610	510	560.0	10.10	3.50	1360	2050	1705	52	35.22	96.21	96.94	5.002532	0.134331
12														
13														
14	595	510	552.5	10.08	3.92	1220	1900	1560	37	37.63	96.99	97.62	5.411894	0.146896
15	590	500	545.0	10.31	3.73	1265	1860	1563	40	35.58	96.86	97.41	5.234859	0.144134
16														
17	590	515	552.5	9.78	3.40	1320	2025	1673	36	32.55	97.15	97.72	4.610100	0.125301
18	620	525	572.5	9.84	3.07	1310	1960	1635	47	29.69	96.44	97.13	4.231582	0.110877
19														
20														
21	630	520	575.0	10.90	3.62	1230	1825	1528	30	32.13	97.56	98.03	5.072311	0.132162
22														
23	605	535	570.0	9.73	3.89	1350	2220	1785	45	36.82	96.73	97.48	5.188575	0.136773
24	605	530	567.5	9.59	4.28	1240	2000	1620	38	41.11	96.93	97.63	5.708766	0.150848
25	615	535	575.0	9.53	3.26	1255	1800	1528	38	32.76	96.97	97.48	4.521039	0.117785
26														
27														
28														
29														
30														

RUN NO. 356 — PRINTED JUL 27, 1971 — JUNE, 1971